# BEFORE THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

## **DOCKET NO. 2019-1-E**

| ) | SUPPLEMENTAL DIRECT              |
|---|----------------------------------|
| ) | <b>TESTIMONY OF</b>              |
| ) | DANA M. HARRINGTON FOR           |
| ) | <b>DUKE ENERGY PROGRESS, LLC</b> |
|   | )<br>)<br>)                      |

| 1 <b>Q</b> . | PLEASE ST | ATE YOUR NAME | E AND BUSINESS ADDRESS |  |
|--------------|-----------|---------------|------------------------|--|
|--------------|-----------|---------------|------------------------|--|

- 2 A. My name is Dana M. Harrington, and my business address is 550 South Tryon
- 3 Street, Charlotte, North Carolina.

#### 4 Q. HAVE YOU PREVIOUSLY FILED TESTIMONY IN THIS PROCEEDING?

- 5 A. Yes, on April 26, 2019, I caused to be pre-filed with the Commission my direct
- 6 testimony and 14 exhibits.
- 7 Q. YOUR SUPPLEMENTAL TESTIMONY INCLUDES FIVE REVISED
- 8 EXHIBITS. WERE THESE SUPPLEMENTAL EXHIBITS PREPARED BY
- 9 **YOU?**
- 10 A. Yes. These revised exhibits were prepared by me and consist of the following:
- Harrington Revised Exhibit 1: Calculation of Total Fuel Component;
- Harrington Revised Exhibit 9 page 2 of 2: Distributed Energy Resource
- Program ("DERP") Incremental (Over)/Under Recovery;
- Harrington Revised Exhibit 10: Calculation of DERP Incremental Costs
- 15 (Over)/Under Recovery;
- Harrington Revised Exhibit 11: Projected Distributed Energy Resource
- 17 Program Incremental Costs; and,
- Harrington Revised Exhibit 12: Projected Billing Period Incremental Cost
- 19 Factors for DERP Costs.

#### 20 Q. WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL TESTIMONY IN

- 21 THIS PROCEEDING?
- 22 A. The purpose of my supplemental testimony is to update the proposed fuel rates to
- 23 reflect impacts resulting from the Commission's directive issued on May 8, 2019

in the DEP SC base rate case, Docket No. 2018-318-E. The Commission approved utilization of \$6 million of the unamortized SC DERP rebate balance to offset the excess deferred income tax balance to be returned to customers. As a result, this amount has been removed from the solar rebate amortization component of DERP incremental costs. This adjustment was anticipated and discussed on page 17 of my direct testimony filed in this proceeding on April 26, 2019.

In addition, the Commission revised the authorized return on equity to 9.5% effective June 1, 2019. This revision is reflected in the solar rebate carrying charge component of DERP incremental costs as of that date.

## Q. HOW DID THE COSTS INCLUDED IN THE ESTIMATED PERIOD CHANGE AS A RESULT OF THESE UPDATES?

A. DERP incremental costs for the estimated period decreased approximately \$354,000. The Company currently estimates that its deferred DERP incremental cost balance will be an under-collection of approximately \$155,000 at June 30, 2019 as reflected on Harrington Revised Exhibit 9 page 2 of 2.

Harrington Revised Exhibit No. 10 presents the estimated deferred DERP incremental cost under-collection at June 30, 2019 as a billing period monthly peraccount increment of \$0.06, \$0.10, and \$5.33, excluding Gross Receipts Taxes (GRT), for South Carolina Residential, Commercial, and Industrial customers, respectively.

## Q. HOW DID THE COSTS INCLUDED IN THE PROJECTED BILLING PERIOD CHANGE AS A RESULT OF THESE UPDATES?

- DERP incremental costs for the projected billing period decreased approximately \$814,000. Total DERP incremental costs are projected to be approximately \$3 million as reflected on Harrington Revised Exhibit No. 11.
- Harrington Revised Exhibit No. 12 presents the projected DERP incremental costs for the billing period as a billing period monthly per-account increment of \$1.08, \$1.92, and \$140.17, excluding GRT, for South Carolina Residential, Commercial, and Industrial customers, respectively. Proposed rates are subject to per-account cost caps.

#### 9 Q. WHAT IS THE RATE IMPACT OF THESE UPDATES?

- 10 A. The revised Residential and Industrial monthly per-account charges for DERP

  11 incremental costs remain above the per-account cost caps; therefore, the proposed

  12 monthly DERP incremental per-account charge remains \$1.00 for Residential

  13 customers and \$100.00 for Industrial customers, including GRT. The reduction of

  14 DERP Incremental costs for the estimated and projected periods reduced the

  15 proposed monthly per-account charge for Commercial customers from \$2.78 to

  16 \$2.03, including GRT.
- 17 Q. DOES THIS CONCLUDE YOUR PRE-FILED SUPPLEMENTAL
  18 TESTIMONY?
- 19 A. Yes, it does.

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#### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF TOTAL FUEL COMPONENT BILLING PERIOD JULY 1, 2019 TO JUNE 30, 2020

|          |   |                                  |    |            |     | Custom        | er Class   |                 |
|----------|---|----------------------------------|----|------------|-----|---------------|------------|-----------------|
|          |   |                                  |    |            |     | Cents         | / kWh      |                 |
|          |   |                                  |    |            | Ger | neral Service |            | General Service |
| Line No. | Description   | Reference                        | R  | esidential | (no | n-demand)     | Lighting   | (demand)        |
|          | Para Frank Grade  |                                  |    |            |     |               |            |                 |
| 1        | Base Fuel Costs Base Fuel Cost Component (Over) / Under Collection at June 2019 | Exhibit 2                        |    | 0.125      |     | 0.125         | 0.125      | 0.125           |
| 2        | Base Fuel Cost Component Projected Billing Period                               | Exhibit 3                        |    | 1.950      |     | 1.950         | 1.950      | 1.950           |
| 3        | Total Base Fuel Cost Component  | Line 1 + Line 2                  |    | 2.075      |     | 2.075         | 2.075      | 2.075           |
| 4        | Total Base Fuel Cost Component Increased for RECD                               | Line 3 / (1-RECD factor)         |    | 2.090 [    | 1]  | 2.075         | 2.073      | 2.073           |
|          | Capacity Related Cost   |                                  |    |            | Cen | ts / kWh      | T          | Cents / kW      |
| 5        | Capacity Related Cost Component (Over) / Under Collection at June 2019          | Exhibit 7                        |    | 0.040      |     | (0.001)       | 0.000      | 3               |
| 6        | Capacity Related Cost Component Projected Billing Period                        | Exhibit 8                        |    | 0.652      |     | 0.523         | 0.000      | 89              |
| 7        | Total Capacity Related Cost Component   | Line 5 + 6                       |    | 0.692      |     | 0.522         | 0.000      | 92              |
| 8        | Total Capacity Related Cost Component Increased for RECD                        | Line 7 / (1- RECD factor)        |    | 0.697 [    | 1]  |               |            |                 |
|          | Distributed Energy Resource Program (DERP) Avoided Costs                        |                                  |    |            | Cen | ts / kWh      | 1          | Cents / kW      |
| 9        | DERP Avoided Cost (Over) / Under Collection at June 2019                        | Exhibit 13                       |    | 0.000      |     | 0.001         | 0.000      | 0               |
| 10       | DERP Avoided Costs Projected Billing Period                                     | Exhibit 14                       |    | 0.003      |     | 0.002         | 0.000      | 0               |
| 11       | Total DERP Avoided Cost Component   | Line 9 + 10                      |    | 0.003      |     | 0.003         | 0.000      | 0               |
| 12       | Total DERP Avoided Cost Component Increased for RECD                            | Line 11 / (1- RECD factor)       |    | 0.003 [    | 1]  |               |            |                 |
|          | Environmental Costs   |                                  |    |            | Cen | ts / kWh      | 1          | Cents / kW      |
| 13       | Environmental Component (Over) / Under Collection at June 2019                  | Exhibit 4                        | -  | 0.015      |     | 0.010         | N/A        | 2               |
| 14       | Environmental Component Projected Billing Period                                | Exhibit 5                        |    | 0.059      |     | 0.047         | ,<br>N/A   | 8               |
| 15       | Total Environmental Component   | Line 13 + 14                     |    | 0.074      |     | 0.057         | N/A        | 10              |
| 16       | Total Environmental Cost Component Increased for RECD                           | Line 15 / (1- RECD factor)       |    | 0.075 [    | 1]  |               | •          |                 |
|          |   | Line 4 + Line 8 + Line 12        |    |            |     |               |            |                 |
| 17       | Total Fuel Cost Factor - Cents/ kWh [2]   | + Line 16                        |    | 2.865      |     | 2.657         | 2.075      | 2.075           |
| 18       | Total Demand Fuel Cost Factor - Cents/ kW [2]                                   | Line 7 + Line 11 + line 15       |    |            |     |               |            | 102             |
|          |   |                                  |    |            |     | Dol           | lars       |                 |
|          | Distributed Energy Resource Program Incremental Cost per Account                |                                  | R  | esidential | Co  | ommercial     | Industrial |                 |
|          | DERP Incremental (Over) / Under Collection at June 2019                         |                                  |    |            |     |               |            |                 |
| 19       | Annual Charge   | Exhibit 10                       | \$ | 0.70       | \$  | 1.24          |            |                 |
| 20       | Monthly Charge  | Exhibit 10                       | \$ | 0.06       | \$  | 0.10          | \$ 5.33    |                 |
|          | DERP Incremental Projected Billing Period                                       |                                  |    |            |     |               |            |                 |
| 21       | Annual Charge   | Exhibit 12                       | \$ | 12.99      | \$  | 22.98         |            |                 |
| 22       | Monthly Charge  | Exhibit 12                       | \$ | 1.08       | \$  | 1.92          | \$ 140.17  |                 |
| 23       | Total DERP Annual Charge - Excluding GRT  | Line 19 + Line 21                | \$ | 11.95      | \$  | 24.22         |            |                 |
| 24       | Total DERP Monthly Charge - Excluding GRT                                       | Line 20 + Line 22                | \$ | 1.00       | \$  | 2.02          | \$ 99.56   |                 |
| 25       | Total DERP Annual Charge -Including GRT   | Line 19 + Line 21 / (1-tax rate) | \$ | 12.00      | \$  | 24.33         |            |                 |
| 26       | Total DERP Monthly Charge - Including GRT                                       | Line 20 + Line 22 / (1-tax rate) | \$ | 1.00       | \$  | 2.03          | \$ 100.00  |                 |

#### Notes:

- [1] RECD factor is .7268% and is calculated on Exhibit 6
- [2] The Fuel Cost Factors and Demand Fuel Cost Factor does not include GRT

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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|          |   |                              |    | Actual<br>March | Actual<br>April | Actual<br>May  | Actual<br>June | Actual<br>July | Actual<br>August |
|----------|---|------------------------------|----|-----------------|-----------------|----------------|----------------|----------------|------------------|
| Line No. | Description   | Reference                    |    | 2018            | 2018            | 2018           | 2018           | 2018           | 2018             |
| 1        | Coal  | Monthly Fuel Filings         | Ś  | 17,145,758 \$   | 18,513,246 \$   | 19,497,564 \$  | 39,029,152 \$  | 31,935,236 \$  | 35,433,012       |
| 2        | Gas   | Monthly Fuel Filings         | Ţ  | 51,139,383      | 32,952,831      | 38,250,706     | 47,081,262     | 62,286,934     | 58,693,966       |
| 3        | Nuclear Fuel  | Monthly Fuel Filings         |    | 13,884,551      | 12,471,756      | 16,473,119     | 15,148,148     | 17,540,348     | 18,004,976       |
| 1        | Purchased Power   | Monthly Fuel Filings         |    | 32,456,208      | 37,568,010      | 41,090,991     | 44,202,762     | 49,508,674     | 45,979,132       |
| 5        | Fuel Expense Recovered Through Intersystem Sales            | Monthly Fuel Filings         |    | (8,046,009)     | (7,345,506)     | (5,428,354)    | (5,994,539)    | (22,280,970)   | (20,530,519)     |
| 6        | Total Fuel Costs  | Sum Lines 1 through 5        | Ś  | 106,579,891 \$  | 94,160,337 \$   | 109,884,026 \$ |                | 138,990,222 \$ | 137,580,567      |
| 7        | Eliminate Avoided Fuel Benefit of SC NEM                    | Monthly Fuel Filings         | Ψ. | 33,455          | 27,921          | 35,183         | 34,483         | 61,989         | 75,147           |
| 8        | Adjusted System Fuel Costs                                  | Line 6 + Line 7              | \$ | 106,613,346 \$  | 94,188,258 \$   | 109,919,209 \$ |                | 139,052,211 \$ | 137,655,714      |
| 9        | Total System kWh Sales (w/ solar)                           | Monthly Fuel Filings         |    | 4,653,962,859   | 4,494,045,504   | 4,644,699,960  | 5,677,792,552  | 6,164,634,934  | 6,200,477,072    |
| 10       | Eliminate NEM Solar Generation kWh                          | Monthly Fuel Filings         |    | 1,044,569       | 871,805         | 1,098,547      | 1,076,721      | 1,549,719      | 1,878,670        |
| 11       | Adjusted Projected System kWh Sales (w/o solar)             | Line 9 + Line 10             |    | 4,655,007,428   | 4,494,917,309   | 4,645,798,507  | 5,678,869,273  | 6,166,184,653  | 6,202,355,742    |
| 12       | System Cost per kWh (¢/kWh)                                 | Line 8 / Line 11 * 100       |    | 2.290           | 2.095           | 2.366          | 2.456          | 2.255          | 2.219            |
| 13       | Actual/ Projected SC Retail Sales kWh (w/ solar)            | Monthly Fuel Filings         |    | 411,013,563     | 533,237,463     | 461,633,361    | 523,124,836    | 658,136,492    | 621,746,700      |
| 14       | Eliminate the NEM impact kWh                                | Monthly Fuel Filings         |    | 1,044,569       | 871,805         | 1,098,547      | 1,076,721      | 1,549,719      | 1,878,670        |
| 15       | Adjusted Actual / Projected SC Retail Sales kWh (w/o solar) | Line 13 + Line 14            |    | 412,058,132     | 534,109,268     | 462,731,908    | 524,201,557    | 659,686,211    | 623,625,370      |
| 16       | SC Base Fuel Costs  | Line 12 * Line 15 / 100      | \$ | 9,437,342 \$    | 11,191,936 \$   | 10,948,198 \$  | 12,876,998 \$  | 14,876,432 \$  | 13,840,805       |
| 17       | Assign 100% of Avoided Fuel Benefit of SC NEM               | Line 7, opposite sign        |    | (33,455)        | (27,921)        | (35,183)       | (34,483)       | (61,989)       | (75,147)         |
| 18       | Adjusted SC Base Fuel Costs                                 | Line 16 + Line 17            | \$ | 9,403,887 \$    | 11,164,015 \$   | 10,913,015 \$  | 12,842,515 \$  | 14,814,443 \$  | 13,765,658       |
| 19       | Fuel Costs Collected  | Monthly Fuel Filings         | \$ | 9,084,719 \$    | 11,785,525 \$   | 10,201,659 \$  | 11,560,996 \$  | 15,005,367 \$  | 14,677,864       |
| 20       | Fuel Benefits Given in DER NEM incentive                    | Monthly Fuel Filings         |    | (9,511)         | (7,803)         | (9,734)        | (9,365)        | (13,040)       | (16,137)         |
| 21       | Adjusted Fuel Costs Collected                               | Line 19 + Line 20            | \$ | 9,075,208 \$    | 11,777,722 \$   | 10,191,925 \$  | 11,551,631 \$  | 14,992,327 \$  | 14,661,727       |
| 22       | (Over) / Under Recovered Current Month                      | Line 18 - Line 21            | \$ | 328,679 \$      | (613,707) \$    | 721,090 \$     | 1,290,884 \$   | (177,884) \$   | (896,069)        |
| 23       | (Over) / Under Cumulative Balance - February 2018           | 2018-1-E                     | \$ | 23,394,223      |                 |                |                |                |                  |
| 24       | Adjustment(s)   | Monthly Fuel Filings         |    |                 |                 |                | 3,199          |                |                  |
|          |   | Prior Mo Cum Bal + Line 22 + |    |                 |                 |                |                |                | <del></del>      |
| 25       | (Over) / Under Recovered Cumulative Balance                 | Line 23 + Line 24            | \$ | 23,722,902 \$   | 23,109,195 \$   | 23,830,285 \$  | 25,124,368 \$  | 24,946,484 \$  | 24,050,415       |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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|          |   |   |    | Actual            | Actual         | Actual         | Actual         | Actual         | Actual         | Review Period  |
|----------|---|---|----|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          |   |   |    | September         | October        | November       | December       | January        | February       | Twelve Months  |
| Line No. | Description   | Reference                               |    | 2018              | 2018           | 2018           | 2018           | 2019           | 2019           | Ended Feb 2019 |
| 26       | Coal  | Monthly Fuel Filings                    | \$ | 24,647,231 \$     | 14,927,507 \$  | 20,375,712 \$  | 35,857,484 \$  | 38,643,375 \$  | 9,782,506 \$   | 305,787,783    |
| 27       | Gas   | Monthly Fuel Filings                    | Ţ  | 53,283,254        | 53,740,493     | 54,521,926     | 62,784,227     | 61,270,115     | 47,778,009     | 623,783,106    |
| 28       | Nuclear Fuel  | Monthly Fuel Filings                    |    | 13,468,704        | 13,744,614     | 14,082,897     | 16,323,865     | 16,837,287     | 15,434,029     | 183,414,294    |
| 29       | Purchased Power   | Monthly Fuel Filings                    |    | 59,796,689        | 35,853,041     | 40,798,669     | 26,413,235     | 34,355,870     | 28,552,516     | 476,575,797    |
| 30       | Fuel Expense Recovered Through Intersystem Sales            | Monthly Fuel Filings                    |    | (14,060,575)      | (22,249,737)   | (18,902,399)   | (24,995,583)   | (9,878,607)    | (68,338,601)   | (228,051,399)  |
| 31       | Total Fuel Costs  | Sum Lines 26 through 30                 | Ś  | 137,135,303 \$    | 96,015,918 \$  | 110,876,805 \$ | 116,383,228 \$ | 141,228,040 \$ | 33,208,459 \$  | 1,361,509,581  |
| 32       | Eliminate Avoided Fuel Benefit of SC NEM                    | Monthly Fuel Filings                    | Ψ. | 64,483            | 45,792         | 63,753         | 67,763         | 74,728         | 66,656         | 651,353        |
| 33       | Adjusted System Fuel Costs                                  | Line 31 + Line 32                       | \$ | 137,199,786 \$    | 96,061,710 \$  | 110,940,558 \$ | 116,450,991 \$ | 141,302,768 \$ | 33,275,115 \$  | 1,362,160,934  |
| 34       | Total System kWh Sales (w/ solar)                           | Monthly Fuel Filings                    |    | 5,427,393,740     | 5,150,522,556  | 4,723,872,382  | 4,828,127,846  | 5,615,989,658  | 5,087,626,427  | 62,669,145,490 |
| 35       | Eliminate NEM Solar Generation kWh                          | Monthly Fuel Filings                    |    | 2,011,329         | 1,428,329      | 1,988,547      | 2,113,646      | 2,330,897      | 2,079,115      | 19,471,894     |
| 36       | Adjusted Projected System kWh Sales (w/o solar)             | Line 34 + Line 35                       |    | 5,429,405,069     | 5,151,950,885  | 4,725,860,929  | 4,830,241,492  | 5,618,320,555  | 5,089,705,542  | 62,688,617,384 |
| 37       | System Cost per kWh (¢/kWh)                                 | Line 33 / Line 36 * 100                 |    | 2.527             | 1.865          | 2.348          | 2.411          | 2.515          | 0.654          |                |
| 38       | Actual/ Projected SC Retail Sales kWh (w/ solar)            | Monthly Fuel Filings                    |    | 511,359,659       | 578,449,399    | 505,054,037    | 445,338,979    | 605,279,111    | 555,508,005    | 6,409,881,605  |
| 39       | Eliminate the NEM impact kWh                                | Monthly Fuel Filings                    |    | 2,011,329         | 1,428,329      | 1,988,547      | 2,113,646      | 2,330,897      | 2,079,115      | 19,471,894     |
| 40       | Adjusted Actual / Projected SC Retail Sales kWh (w/o solar) | Line 38 + Line 39                       |    | 513,370,988       | 579,877,728    | 507,042,584    | 447,452,625    | 607,610,008    | 557,587,120    | 6,429,353,499  |
| 41       | SC Base Fuel Costs  | Line 37 *Line 40 / 100                  | \$ | 12,972,764 \$     | 10,812,223 \$  | 11,902,929 \$  | 10,787,514 \$  | 15,281,609 \$  | 3,645,353 \$   | 138,574,103    |
| 42       | Assign 100% of Avoided Fuel Benefit of SC NEM               | Line 32, opposite sign                  |    | (64,483)          | (45,792)       | (63,753)       | (67,763)       | (74,728)       | (66,656) \$    | (651,353)      |
| 43       | Adjusted SC Base Fuel Costs                                 | Line 41 + Line 42                       | \$ | 12,908,281 \$     | 10,766,431 \$  | 11,839,176 \$  | 10,719,751 \$  | 15,206,881 \$  | 3,578,697 \$   | 137,922,750    |
| 44       | Fuel Costs Collected  | Monthly Fuel Filings                    | \$ | 12,098,363 \$     | 13,686,259 \$  | 11,950,767 \$  | 10,539,427 \$  | 14,323,686 \$  | 13,146,231 \$  | 148,060,863    |
| 45       | Fuel Benefits Given in DER NEM incentive                    | Monthly Fuel Filings                    | •  | (17,696)          | (10,922)       | (16,926)       | (17,922)       | (20,051)       | (16,051) \$    | (165,158)      |
| 46       | Adjusted Fuel Costs Collected                               | Line 44 + Line 45                       | \$ | 12,080,667 \$     | 13,675,337 \$  | 11,933,841 \$  | 10,521,505 \$  | 14,303,635 \$  | 13,130,180 \$  | 147,895,705    |
| 47       | (Over) / Under Recovered Current Month                      | Line 43 - Line 46                       | \$ | 827,614 \$        | (2,908,906) \$ | (94,665) \$    | 198,246 \$     | 903,246 \$     | (9,551,483) \$ | (9,972,955)    |
| 48       | Adjustment(s)   | Monthly Fuel Filings                    | _  | - ,- <del>T</del> | ( / /- / +     | (- // +        | , · · •        | , - +          | (70) \$        | 3,129          |
| 49       | (Over) / Under Recovered Cumulative Balance                 | Prior Mo Cum Bal + Line 47 +<br>Line 48 | \$ | 24,878,029 \$     | 21,969,123 \$  | 21,874,458 \$  | 22,072,704 \$  | 22,975,950 \$  | 13,424,397 \$  | 13,424,397     |

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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|          |  |                              | Estimated<br>March   | Estimated<br>April | Estimated<br>May | Estimated<br>June | Sixteen Months<br>Ended | S      |
|----------|--|------------------------------|----------------------|--------------------|------------------|-------------------|-------------------------|--------|
| Line No. | Description  | Reference                    | 2019                 | 2019               | 2019             | 2019              | June 2019               |        |
| 50       | Coal   | WP1                          | \$<br>25,709,434 \$  | 24,672,036 \$      | 26,251,436       | \$ 42,483,825 \$  | 424,904                 | 4,513  |
| 51       | Gas  | WP2                          | 43,845,607           | 26,045,395         | 24,693,867       | 38,675,670        | 757,043                 | 3,645  |
| 52       | Nuclear Fuel   | WP3                          | 12,427,031           | 15,483,969         | 16,417,236       | 15,637,985        | 243,380                 | 0,515  |
| 53       | Purchased Power  | WP5                          | 31,912,620           | 32,809,246         | 36,606,813       | 33,575,843        | 611,480                 | 0,319  |
| 54       | Fuel Expense Recovered Through Intersystem Sales             | WP6                          | (9,241,738)          | (15,103,333)       | (10,393,751)     | (15,816,500)      | (278,606                | 6,720) |
| 55       | Total Fuel Costs   | Sum Lines 50 through 54      | \$<br>104,652,954 \$ | 83,907,314 \$      | 93,575,601       | 114,556,823 \$    | 1,758,202               | 2,272  |
| 56       | Eliminate Avoided Fuel Benefit of SC NEM                     | WP14                         | 80,204               | 82,258             | 85,679           | 92,600            | 992                     | 2,094  |
| 57       | Adjusted System Fuel Costs                                   | Line 55 + Line 56            | \$<br>104,733,157 \$ | 83,989,572 \$      | 93,661,279       | 114,649,424 \$    | 1,759,194               | 4,366  |
| 58       | Total System kWh Sales (w/ solar)                            | WP8                          | 4,552,981,616        | 4,482,512,031      | 4,446,396,083    | 5,204,419,092     | 81,355,454              | 4,312  |
| 59       | Eliminate NEM Solar Generation kWh                           | WP14                         | <br>2,501,687        | 2,565,762          | 2,672,455        | 2,888,346         | 30,100                  | 0,144  |
| 60       | Adjusted Projected System kWh Sales (w/o solar)              | Line 58 + Line 59            | 4,555,483,303        | 4,485,077,793      | 4,449,068,537    | 5,207,307,438     | 81,385,554              | 4,456  |
| 61       | System Cost per kWh (¢/kWh)                                  | Line 57 / Line 60 * 100      | 2.299                | 1.873              | 2.105            | 2.202             | 2                       | 2.162  |
| 62       | Actual/ Projected SC Retail Sales kWh (w/ solar)             | WP8                          | 416,088,164          | 510,686,159        | 491,046,715      | 541,036,670       | 8,368,739               | 9,314  |
| 63       | Eliminate the NEM impact kWh                                 | WP14                         | 2,501,687            | 2,565,762          | 2,672,455        | 2,888,346         | 30,100                  | 0,144  |
| 64       | Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)  | Line 62 + Line 63            | 418,589,851          | 513,251,922        | 493,719,170      | 543,925,016       | 8,398,839               | 9,458  |
| 65       | SC Base Fuel Costs   | Line 61 * Line 64 / 100      | \$<br>9,623,619 \$   | 9,611,385 \$       | 10,393,719       | \$ 11,975,611 \$  | 180,178                 | 8,437  |
| 66       | Assign 100% of Avoided Fuel Benefit of SC NEM                | WP14                         | <br>(80,204)         | (82,258)           | (85,679)         | (92,600)          | (992                    | 2,094) |
| 67       | Adjusted SC Base Fuel Costs                                  | Line 65 + Line 66            | \$<br>9,543,415 \$   | 9,529,127 \$       | 10,308,040       | \$ 11,883,011 \$  | 179,186                 | 6,343  |
| 68       | Fuel Costs Collected   | 2018-1-E                     | \$<br>9,846,440 \$   | 12,082,835 \$      | 11,618,165       | 12,800,928 \$     | 194,409                 | 9,230  |
| 69       | Fuel Benefits Given in DER NEM incentive                     | WP14                         | (20,835)             | (13,987)           | (14,562)         | (15,766)          |                         | 0,308) |
| 70       | Adjusted Fuel Costs Collected                                | Line 68 + Line 69            | \$<br>9,825,605 \$   | 12,068,847 \$      | 11,603,604       | 12,785,162 \$     | 194,178                 | 8,922  |
| 71       | (Over) / Under Recovered Current Month                       | Line 67 - Line 70            | \$<br>(282,190) \$   | (2,539,721) \$     | (1,295,563)      | \$ (902,151) \$   | (14,992                 | 2,580) |
| 72       | Adjustment(s)  | Prior Mo Cum Bal + Line 71 + |                      |                    |                  | \$                | 3                       | 3,129  |
| 73       | (Over) / Under Recovered Cumulative Balance                  | Line 72                      | \$<br>13,142,207 \$  | 10,602,487 \$      | 9,306,923        | 8,404,772 \$      | 8,404                   | 4,772  |
| 74       | SC Projected SC Retail Sales July 2019 - June 2020           | WP8                          |                      |                    |                  |                   | 6,730,340               | 0,143  |
| 75       | SC Base Fuel Increment / (Decrement) Calculated Rate (¢/kWh) | Line 73 / Line 74 * 100      |                      |                    |                  |                   |                         | 0.125  |

#### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED BILLING PERIOD BASE FUEL COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

Harrington Exhibit 3
Docket No. 2019-1-E

| Line No.   | Description  | Reference  |       | July<br>2019  | August<br>2019   | September<br>2019   | October<br>2019  | November<br>2019  | December<br>2019  |  |
|--|--|--|-------|---|--|---|--|---|---|--|
| 1  | Coal   | WP1  | \$    | 50,329,027 \$   | 48,560,028 \$  | 36,492,075 \$   | 27,804,934 \$  | 28,355,841 \$   | 39,453,290  |  |
| 2  | Gas  | WP2  | Ş     | 42,733,855  | 41,542,126   | 36,796,989  | 35,225,339   | 46,537,541  | 39,053,113  |  |
| 3  | Nuclear Fuel   | WP3  |       | 16,080,123  | 16,125,971   | 15,671,479  | 13,266,910   | 12,962,295  | 16,954,471  |  |
| 4  | Purchased Power  | WP5  |       | 34,346,947  | 35,527,201   | 30,048,140  | 27,871,007   | 23,855,906  | 23,039,833  |  |
| 5  | Fuel Expense Recovered Through Intersystem Sales   | WP6  |       | (14,446,039)  | (14,992,498)   | (16,593,655)  | (12,921,455)   | (18,074,157)  | (19,830,615)  |  |
| 6  | Total Fuel Costs   | Sum Lines 1 through 5  | \$    | 129,043,913 \$  | 126,762,828 \$   |   |  |   |   |  |
| 7  | Eliminate Avoided Fuel Benefit of SC NEM   | WP14   | Ţ     | 97,363  | 90,132   | 83,351  | 80,567   | 65,833  | 52,368  |  |
| 8  | Adjusted System Fuel Costs   | Line 6 + Line 7  | \$    | 129,141,276 \$  | 126,852,960 \$   | ·   |  |   |   |  |
| 9  | Total Projected System Sales kWh (w/ solar)  | WP8  |       | 5,953,609,386   | 6,010,985,735  | 5,482,284,590   | 4,671,693,496  | 4,595,842,719   | 5,172,638,730   |  |
| 10   | Eliminate NEM Solar Generation kWh   | WP14   |       | 3,032,181   | 2,806,978  | 2,595,784   | 2,509,088  | 2,050,225   | 1,630,890   |  |
| 11   | Adjusted Projected System kWh Sales (w/o solar)  | Line 9 + Line 10   |       | 5,956,641,567   | 6,013,792,713  | 5,484,880,374   | 4,674,202,584  | 4,597,892,944   | 5,174,269,620   |  |
| 12   | System Cost per kWh (¢/kWh)  | Line 8 / Line 11 * 100   |       | 2.168   | 2.109  | 1.869   | 1.954  | 2.038   | 1.908   |  |
| 13   | Adjusted Projected SC Retail Sales (w/o solar)   | WP8  |       | 618,402,562   | 633,262,773  | 605,425,276   | 527,201,736  | 503,019,569   | 554,332,642   |  |
| 14   | SC Base Fuel Costs   | Line 12 * Line 13 / 100  | \$    | 13,407,101 \$   | 13,357,836 \$  | 11,313,849 \$   | 10,300,776 \$  | 10,251,342 \$   | 10,576,388  |  |
| 15   | Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)   | WP14   |       | (88,557)  | (82,000)   | (75,830)  | (73,273)   | (59,867)  | (47,548)  |  |
| 16   | Adjusted SC Base Fuel Costs  | Line 14 + Line 15  | \$    | 13,318,544 \$   | 13,275,836 \$  | 11,238,019 \$   | 10,227,503 \$  | 10,191,475 \$   | 10,528,840  |  |
|  |  |  |       | January   | February   | March   | April  | May   | June  | Billing Period<br>Twelve Months  |
| Lina Na  |  | Doforonco  |       |   |  |   |  |   |   | Endad luna 2020  |
| Line No.   | Description  | Reference  |       | 2020  | 2020   | 2020  | 2020   | 2020  | 2020  | Ended June 2020  |
| Line No.   | <b>Description</b> Coal  | Reference WP1  | \$    | <b>2020</b><br>46,123,651 \$  | <b>2020</b><br>44,995,067 \$   |   |  |   |   |  |
|  | •  |  | \$    |   | 44,995,067 \$  | 28,884,279 \$   | 10,321,926 \$  | 13,454,535 \$   | 28,706,332  | \$ 403,480,987   |
| 17   | Coal   | WP1  | \$    | 46,123,651 \$<br>25,930,059   | 44,995,067 \$<br>23,512,584  | 28,884,279 \$<br>41,860,567   | 10,321,926 \$<br>30,566,002  | 13,454,535 \$<br>33,857,114   | 28,706,332<br>42,033,249  | \$ 403,480,987<br>439,648,540  |
| 17<br>18   | Coal<br>Gas  | WP1<br>WP2   | \$    | 46,123,651 \$   | 44,995,067 \$  | 28,884,279 \$   | 10,321,926 \$  | 13,454,535 \$   | 28,706,332  | \$ 403,480,987   |
| 17<br>18<br>19   | Coal<br>Gas<br>Nuclear Fuel  | WP1<br>WP2<br>WP3  | \$    | 46,123,651 \$<br>25,930,059<br>16,926,060   | 44,995,067 \$<br>23,512,584<br>15,497,215  | 28,884,279 \$<br>41,860,567<br>12,919,969   | 10,321,926 \$<br>30,566,002<br>15,694,928  | 13,454,535 \$<br>33,857,114<br>16,059,189   | 28,706,332<br>42,033,249<br>15,404,872  | \$ 403,480,987<br>439,648,540<br>183,563,482   |
| 17<br>18<br>19<br>20   | Coal<br>Gas<br>Nuclear Fuel<br>Purchased Power   | WP1<br>WP2<br>WP3<br>WP5   | \$    | 46,123,651 \$<br>25,930,059<br>16,926,060<br>31,036,153   | 44,995,067 \$<br>23,512,584<br>15,497,215<br>28,507,690  | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188)   | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554)  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809)   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)  | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)   |
| 17<br>18<br>19<br>20<br>21   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales   | WP1<br>WP2<br>WP3<br>WP5<br>WP6  |       | 46,123,651 \$<br>25,930,059<br>16,926,060<br>31,036,153<br>(9,450,657)  | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573)   | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188)   | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554)  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809)   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)  | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)   |
| 17<br>18<br>19<br>20<br>21<br>22   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs  | WP1<br>WP2<br>WP3<br>WP5<br>WP6<br>Sum Lines 17 through 21   |       | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$   | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$  | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589  | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095  | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238  |
| 17<br>18<br>19<br>20<br>21<br>22<br>23   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM   | WP1<br>WP2<br>WP3<br>WP5<br>WP6<br>Sum Lines 17 through 21<br>WP14   | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006  | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976   | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589  | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095  | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238  |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23   | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$   | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$  | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$  | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>6 105,592,270   | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789  |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs Total Projected System Sales kWh (w/ solar)  | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8   | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$ 5,679,535,820   | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140  | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$ 5,022,976,178  | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>5 105,592,270<br>5,136,235,584  | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267  |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26                               | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh  | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8 WP14  | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$ 5,679,535,820 2,086,766   | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140 2,179,249  | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$  5,022,976,178 2,914,645   | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449 3,482,451  | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438 3,554,566   | 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>6 105,474,175<br>118,095<br>6 105,592,270<br>5,136,235,584<br>3,677,823   | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267<br>32,520,646  |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28                   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)  | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8 WP14 Line 25 + Line 26 Line 24 / Line 27 * 100 WP8                              | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$ 5,679,535,820 2,086,766 5,681,622,586 1.947 607,182,038                         | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140 2,179,249 5,468,251,389 1.897 596,770,188                        | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$ 5,022,976,178 2,914,645 5,025,890,823 1.933 558,856,798                        | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449 3,482,451 4,427,401,900 1.669 515,871,629                        | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438 3,554,566 4,400,256,004  1.850 497,547,902                        | 5 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>5 105,592,270<br>5,136,235,584<br>3,677,823<br>5,139,913,407<br>2.054   | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267<br>32,520,646<br>62,045,015,912<br>1.958<br>6,762,860,788                                |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27                         | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)  System Cost per kWh (¢/kWh)  Adjusted Projected SC Retail Sales (w/o solar) SC Base Fuel Costs  | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8 WP14 Line 25 + Line 26 Line 24 / Line 27 * 100                                  | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$ 5,679,535,820 2,086,766 5,681,622,586   | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140 2,179,249 5,468,251,389 1.897                                    | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$ 5,022,976,178 2,914,645 5,025,890,823 1.933 558,856,798                        | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449 3,482,451 4,427,401,900 1.669 515,871,629                        | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438 3,554,566 4,400,256,004  1.850 497,547,902                        | 5 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>5 105,592,270<br>5,136,235,584<br>3,677,823<br>5,139,913,407<br>2.054   | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267<br>32,520,646<br>62,045,015,912<br>1.958<br>6,762,860,788                                |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28                   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)  System Cost per kWh (c/kWh)  Adjusted Projected SC Retail Sales (w/o solar)   | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8 WP14 Line 25 + Line 26 Line 24 / Line 27 * 100 WP8 Line 28 * Line 29 / 100 WP14 | \$ \$ | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$ 5,679,535,820 2,086,766 5,681,622,586 1.947 607,182,038                         | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140 2,179,249 5,468,251,389 1.897 596,770,188                        | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$ 5,022,976,178 2,914,645 5,025,890,823 1.933 558,856,798                        | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449 3,482,451 4,427,401,900 1.669 515,871,629                        | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438 3,554,566 4,400,256,004  1.850 497,547,902                        | 5 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>5 105,592,270<br>5,136,235,584<br>3,677,823<br>5,139,913,407<br>2.054   | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267<br>32,520,646<br>62,045,015,912<br>1.958<br>6,762,860,788                                |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28                   | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)  System Cost per kWh (¢/kWh)  Adjusted Projected SC Retail Sales (w/o solar) SC Base Fuel Costs  | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8 WP14 Line 25 + Line 26 Line 24 / Line 27 * 100 WP8 Line 28 * Line 29 / 100      | \$    | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$ 5,679,535,820 2,086,766 5,681,622,586 1.947 607,182,038 11,823,018 \$           | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140 2,179,249 5,468,251,389 1.897 596,770,188 11,322,829 \$          | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$ 5,022,976,178 2,914,645 5,025,890,823 1.933 558,856,798 10,800,827 \$ (85,049) | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449 3,482,451 4,427,401,900 1.669 515,871,629 8,608,396 \$ (101,639) | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438 3,554,566 4,400,256,004  1.850 497,547,902 9,203,603 \$ (103,756) | 5 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>5 105,592,270<br>5,136,235,584<br>3,677,823<br>5,139,913,407<br>2.054<br>544,987,675<br>11,196,003<br>(107,367) | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267<br>32,520,646<br>62,045,015,912<br>1.958<br>6,762,860,788<br>\$ 132,161,967<br>(949,299) |
| 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 | Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)  System Cost per kWh (¢/kWh)  Adjusted Projected SC Retail Sales (w/o solar) SC Base Fuel Costs Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1) | WP1 WP2 WP3 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23 WP8 WP14 Line 25 + Line 26 Line 24 / Line 27 * 100 WP8 Line 28 * Line 29 / 100 WP14 | \$ \$ | 46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$  5,679,535,820 2,086,766 5,681,622,586 1.947 607,182,038 11,823,018 \$ (60,849) | 44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$ 5,466,072,140 2,179,249 5,468,251,389 1.897 596,770,188 11,322,829 \$ (63,563) | 28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$ 5,022,976,178 2,914,645 5,025,890,823 1.933 558,856,798 10,800,827 \$ (85,049) | 10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$ 4,423,919,449 3,482,451 4,427,401,900 1.669 515,871,629 8,608,396 \$ (101,639) | 13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$ 4,396,701,438 3,554,566 4,400,256,004  1.850 497,547,902 9,203,603 \$ (103,756) | 5 28,706,332<br>42,033,249<br>15,404,872<br>34,226,552<br>(14,896,830)<br>5 105,474,175<br>118,095<br>5 105,592,270<br>5,136,235,584<br>3,677,823<br>5,139,913,407<br>2.054<br>544,987,675<br>11,196,003<br>(107,367) | \$ 403,480,987<br>439,648,540<br>183,563,482<br>365,810,573<br>(178,916,030)<br>\$ 1,213,587,551<br>1,044,238<br>\$ 1,214,631,789<br>62,012,495,267<br>32,520,646<br>62,045,015,912<br>1.958<br>6,762,860,788<br>\$ 132,161,967<br>(949,299) |

122,754

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## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE

## CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4
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Docket No. 2019-1-E

Line No. Residential 1 Winter 2018 Firm Coincident Peak (CP) kWs 60.91% 2 Winter 2017 Firm Coincident Peak (CP) kWs 59.11% Actual Actual Actual Actual Actual Actual March April May June July August Description Reference 2018 2018 2018 2018 2018 2018 Line No. 3 **Total Reagents** Monthly Fuel Filing Ś 787,583 \$ 873,319 \$ 1,083,871 \$ 1,993,580 \$ 1,766,587 \$ 2,089,366 4 **Emission Allowances** Monthly Fuel Filing 833 3,744 (94,203)1,451 2,619 2,002 Amounts Recovered in Off-System Sales Monthly Fuel Filing (10,052)(13,684)(14,979)(10,832)(24,914)(24,607)6 Net Environmental Costs Sum Lines 3 thru 5 778,364 \$ 863,379 \$ 974,689 \$ 1,984,199 \$ 1,744,293 \$ 2,066,761 4,653,962,859 4,494,045,504 4,644,699,960 Total System Sales kWh Monthly Fuel Filing 5,677,792,552 6,164,634,934 6,200,477,072 8 Environmental System Costs Incurred ¢/kwh Line 6 / Line 7 \* 100 0.017 0.019 0.021 0.035 0.028 0.033 SC Retail Sales kWh Monthly Fuel Filing 411.013.563 533.237.463 461.633.361 523.124.836 658.136.492 621.746.700 9 Line 8 \* Line 9 / 100 10 SC Environmental Costs 68.741 S 102,444 \$ 96,874 \$ 182,815 \$ 186,221 ς 207,242 11 SC Residential Environmental Cost Allocated by Firm CP Line 10 \* Line 2 40,635 \$ 60,558 \$ 57,266 \$ 108,069 \$ 110,082 \$ 122,509 12 SC Residential kWh Sales Monthly Fuel Filing 143.961.446 142.967.229 126.649.812 183.269.324 209.653.372 205.859.617 13 SC Residential Environmental Costs Incurred ¢/kwh Line 11 / Line 12 \* 100 0.028 0.042 0.045 0.059 0.053 0.060 14 SC Residential Environmental Costs Billed ¢/kwh 2017-1-E, 2018-1-E 0.035 0.035 0.035 0.035 0.028 0.019 15 SC Residential Environmental Costs (Over) / Under Recovery (Line 13 - Line 14) \* Line 12 / 100 Ś (9,388) \$ 10,886 \$ 13,284 \$ 44,416 \$ 52,174 \$ 82,556 2018-1-E (335,813) 16 Prior Year Balance Adjusted Cumulative SC Residential Environmental Costs (Over) / Under 17 Recovery Prior Month Cum. Bal + Line 15 Ś (345,201) \$ (334,315) \$ (321,031) \$ (276,615) \$ (224,441) \$ (141,885)**Review Period** Actual Actual Actual Actual Actual Actual September October November December January February Twelve Months Line No. Description Reference 2018 2018 2018 2018 2019 2019 Ended Feb 2019 **Total Reagents** 1,446,270 \$ 894.255 S 1,161,039 \$ 2,048,497 \$ 2,028,239 \$ 16,752,021 18 Monthly Fuel Filing ς 579,414 \$ Emission Allowances 1.511 1.264 19 Monthly Fuel Filing 2.157 943 (77,679)20 Amounts Recovered in Off-System Sales Monthly Fuel Filing (10,487)(20,664) (69,630) (195,638) (78,656) (74,208)(548,351) Net Environmental Costs Sum Lines 18 thru 20 1,437,940 \$ 875,102 \$ 1,092,352 \$ 1,949,583 \$ 505,206 \$ 21 1,854,122.70 \$ 16,125,991 22 Total System Sales kWh Monthly Fuel Filing 5,427,393,740 5,150,522,556 4,723,872,382 4,828,127,846 5,615,989,658 5,087,626,427 62,669,145,490 23 Environmental System Costs Incurred ¢/kwh Line 21 / Line 22 \* 100 0.026 0.017 0.023 0.038 0.035 0.010 24 SC Retail Sales kWh Monthly Fuel Filing 511.359.659 578,449,399 505,054,037 445.338.979 605,279,111 555.508.005 6,409,881,605 25 SC Environmental Costs Line 23 \* Line 24 / 100 135,480 \$ 98,282 \$ 116,789 \$ 171,021 \$ 210.122 \$ 55,162 \$ 1,631,193 26 SC Residential Environmental Cost Allocated by Firm CP Line 25 \* Line 2 (or Line 1) 80,087 \$ 58,098 \$ 69,038 \$ 101,097 \$ 127,980 \$ 33,598 \$ 969,017 27 SC Residential kWh Sales Monthly Fuel Filing 192,472,913 166,363,331 135,084,422 188,450,930 199,934,867 206,574,763 2,101,242,026 28 SC Residential Environmental Costs Incurred ¢/kwh Line 26 / Line 27 \* 100 0.042 0.035 0.051 0.054 0.064 0.016 0.046 29 SC Residential Environmental Costs Billed ¢/kwh 2018-1-E 0.019 0.019 0.019 0.019 0.019 0.019 SC Residential Environmental Costs (Over) / Under Recovery (Line 28 - Line 29) \* Line 27 / 100 \$ 43,796 \$ 26,868 \$ 43,556 \$ 65,540 \$ 90,257 \$ (5,378) \$ 458,567 30 Cumulative SC Residential Environmental Costs (Over) / Under Recovery Prior Month Cum. Bal + Line 30 122,754 122,754 31 Ś (98,089) \$ (71,221) \$ (27,665) \$ 37,875 \$ 128,132 \$ 32 Adjustment(s)

Adjusted Cumulative SC Residential Environmental Costs (Over) / Under

Line 31 + Line 32

33

Recovery

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Residential

Line No.

Harrington Exhibit 4 Page 2 of 6 Docket No. 2019-1-E

| 1        | Winter 2018 Firm Coincident Peak (CP) kWs                                    | 60.91%                              |                    |               |               |               |                |
|----------|--|-------------------------------------|--------------------|---------------|---------------|---------------|----------------|
| 2        | Winter 2017 Firm Coincident Peak (CP) kWs                                    | 59.11%                              |                    |               |               |               |                |
|          |  |                                     | Estimated          | Estimated     | Estimated     | Estimated     | Sixteen Months |
|          |  |                                     | March              | April         | May           | June          | Ended          |
| Line No. | Description  | Reference                           | 2019               | 2019          | 2019          | 2019          | June 2019      |
|          |  |                                     |                    |               |               |               |                |
| 34       | Total Reagents   | WP7                                 | \$<br>1,310,655 \$ | 1,004,394     | \$ 1,014,503  | \$ 1,963,082  | \$ 22,044,654  |
| 35       | Emission Allowances  | WP7                                 | -                  | 1,173         | 1,431         | 2,889         | (72,186)       |
| 36       | Amounts Recovered in Off-System Sales  | WP7                                 | <br>(71,965)       | (11,599)      | (11,960)      | (4,297)       | (648,172)      |
| 37       | Net Environmental Costs  | Sum Lines 34 thru 36                | \$<br>1,238,690 \$ | 993,968       | \$ 1,003,974  | \$ 1,961,674  | \$ 21,324,297  |
| 38       | Projected Total System Sales kWh   | WP8                                 | 4,552,981,616      | 4,482,512,031 | 4,446,396,083 | 5,204,419,092 | 81,355,454,312 |
| 39       | Environmental System Costs Incurred ¢/kwh                                    | Line 37 / Line 38 * 100             | 0.027              | 0.022         | 0.023         | 0.038         |                |
| 40       | Projected SC Retail Sales kWh  | WP8                                 | 416,088,164        | 510,686,159   | 491,046,715   | 541,036,670   | 8,368,739,314  |
| 41       | SC Environmental Costs   | Line 39 * Line 40 / 100             | \$<br>113,201 \$   | 113,241       | \$ 110,876    | \$ 203,930    | \$ 2,172,442   |
| 42       | SC Residential Environmental Cost Allocated by Firm CP                       | Line 41 * Line 1                    | \$<br>68,948 \$    | 68,972        | \$ 67,532     | \$ 124,209    | \$ 1,298,678   |
| 43       | Projected SC Residential kWh Sales   | WP8a                                | 150,838,802        | 161,472,415   | 138,607,950   | 171,939,263   | 2,724,100,457  |
| 44       | SC Residential Environmental Costs Incurred ¢/kwh                            | Line 42 / Line 43 * 100             | 0.046              | 0.043         | 0.049         | 0.072         |                |
| 45       | SC Residential Environmental Costs Billed ¢/kwh                              | 2018-1-E                            | 0.019              | 0.019         | 0.019         | 0.019         |                |
| 46       | SC Residential Environmental Costs (Over) / Under Recovery                   | (Line 44 - Line 45) * Line 43 / 100 | \$<br>40,490 \$    | 38,508        | \$ 41,381     | \$ 91,770     | \$ 670,716     |
|          | Cumulative SC Residential Environmental Costs (Over) / Under                 |                                     |                    |               |               |               |                |
| 47       | Recovery   | Prior Month Cum. Bal + Line 46      | \$<br>163,244 \$   | 201,752       | \$ 243,134    | \$ 334,903    | 334,903        |
| 48       | Adjustment(s)  |                                     |                    |               |               |               | -              |
|          | Adjusted Cumulative SC Residential Environmental Costs (Over) /              |                                     |                    |               |               | _             |                |
| 49       | Under Recovery   | Line 47 + Line 48                   |                    |               |               |               | \$ 334,903     |
| 50       | SC Projected Residential kWh Sales July 2019 - June 2020                     | WP8a                                |                    |               |               |               | 2,301,521,005  |
| 51       | SC Residential Environmental Increment / (Decrement) Calculated Rate (¢/kwh) | (Line 49 / Line 50 * 100)           |                    |               |               |               | 0.015          |
| 21       | nate (y/kwii)  | (Line 45 / Line 30 · 100)           |                    |               |               |               | 0.013          |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Actual

April

2018

Actual

May

2018

Actual

June

2018

Actual

July

2018

Actual

August

2018

Actual

March

2018

Reference

Harrington Exhibit 4
Page 3 of 6
Docket No. 2019-1-E

| Line No. |   | General Service (non-demand) |
|----------|---|------------------------------|
| 1        | Winter 2018 Firm Coincident Peak (CP) kWs | 6.37%                        |
| 2        | Winter 2017 Firm Coincident Peak (CP) kWs | 5.46%                        |

Description

Line No.

| 3  | Total Reagents   | Monthly Fuel Filing   | \$             | 787,583 \$   | 873,319 \$  | 1,083,871 \$  | 1,993,580 \$   | 1,766,587 \$   | 2,089,366   |  |
|--|--|---|----------------|--|---|---|--|--|---|--|
| ο<br>Δ   | Emission Allowances  | Monthly Fuel Filing   | Ş              | 767,565 \$<br>833  | 3,744   | (94,203)  | 1,995,580 \$   | 2,619  | 2,089,366   |  |
|  | Amounts Recovered in Off-System Sales  | Monthly Fuel Filing   |                | (10,052)   | (13,684)  | (14,979)  | (10,832)   | (24,914)   | (24,607)  |  |
| 6  | Net Environmental Costs  | Sum Lines 3 thru 5  | \$             | 778,364 \$   | 863,379 \$  | 974,689 \$  | 1,984,199 \$   | 1,744,293 \$   | 2,066,761   |  |
| 7  | Total System Sales kWh   | Monthly Fuel Filing   |                | 4,653,962,859  | 4,494,045,504   | 4,644,699,960   | 5,677,792,552  | 6,164,634,934  | 6,200,477,072   |  |
| ν ο  | Environmental System Costs Incurred ¢/kwh  | Line 6 / Line 7 * 100   |                | 0.017  | 0.019   | 0.021   | 0.035  | 0.028  | 0.033   |  |
| 9  | SC Retail Sales kWh  | Monthly Fuel Filing   |                | 411,013,563  | 533,237,463   | 461,633,361   | 523,124,836  | 658,136,492  | 621,746,700   |  |
| 10   | SC Environmental Costs   | Line 8 * Line 9 / 100   | Ś              | 68,741 \$  | 102,444 \$  | 96,874 \$   | 182,815 \$   | 186,221 \$   | 207,242   |  |
| 10   | 50 Emmonmental costs   | Eme o Eme o , 100   | *              | σσ,, .1 φ  | 102, φ  | 30,07 · · · · ·   | 102,015 φ  | 100,221 \$   | 207,212   |  |
| 11   | SC General Service (non-demand) Environmental Cost Allocated by Firm CP  | Line 10 * Line 2  | \$             | 3,754 \$   | 5,594 \$  | 5,290 \$  | 9,983 \$   | 10,169 \$  | 11,317  |  |
| 12   | SC General Service (non-demand) kWh Sales  | Monthly Fuel Filing   |                | 18,983,274   | 19,396,612  | 19,878,431  | 27,515,526   | 30,997,729   | 31,253,114  |  |
| 13   | SC General Service (non-demand) Environmental Costs Incurred ¢/kwh   | Line 11 / Line 12 * 100   |                | 0.020  | 0.029   | 0.027   | 0.036  | 0.033  | 0.036   |  |
| 14   | SC General Service (non-demand) Environmental Costs Billed ¢/kwh   | 2017-1-E, 2018-1-E  |                | 0.024  | 0.024   | 0.024   | 0.024  | 0.017  | 0.009   |  |
| 15   | SC General Service (non-demand) Environmental Costs (Over) / Under Recovery  | (Line 13 - Line 14) * Line 12 / 100   | \$             | (802) \$   | 939 \$  | 519 \$  | 3,379 \$   | 4,953 \$   | 8,644   |  |
| 16   | Prior Year Balance   | 2018-1-E  | \$             | (47,916)   |   |   |  |  |   |  |
| 17   | Adjusted Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovery  | Prior Month Cum. Bal + Line 15  | \$             | (48,718) \$  | (47,779) \$   | (47,260) \$   | (43,881) \$  | (38,928) \$  | (30,284)  |  |
|  |  |   |                | Actual<br>September  | Actual<br>October   | Actual<br>November  | Actual<br>December   | Actual<br>January  | Actual<br>February  | Review Period<br>Twelve Months   |
| Line No.   | Description  | Reference   |                | 2018   | 2018  | 2018  | 2018   | 2019   | 2019  | Ended Feb 2019   |
|  | <b>-</b>   |   |                |  |   |   |  |  |   |  |
| 18   | Total Reagents   | Monthly Fuel Filing   | \$             | 1,446,270 \$   | 894,255 \$  | 1,161,039 \$  | 2,048,497 \$   | 2,028,239 \$   | 579,414 \$  | 16,752,021   |
| 19   | Emission Allowances  | Monthly Fuel Filing   |                | 2,157  | 1,511   | 943   | 1,264  | -  | -   | (77,679)   |
|  |  |   |                |  |   |   |  |  | (74.200)  | (548,351)  |
| 20   | Amounts Recovered in Off-System Sales  | Monthly Fuel Filing   |                | (10,487)   | (20,664)  | (69,630)  | (195,638)  | (78,656)   | (74,208)  |  |
| 20<br>21   |  | Monthly Fuel Filing<br>Sum Lines 18 thru 20   | \$             | (10,487)<br>1,437,940 \$   | (20,664)<br>875,102 \$  | (69,630)<br>1,092,352 \$  | (195,638)<br>1,854,123 \$  | (78,656)<br>1,949,583 \$   | 505,206 \$  | 16,125,991   |
|  | Amounts Recovered in Off-System Sales  | · -   | \$             | . , ,  | 875,102 \$  |   |  | 1,949,583 \$   |   | 16,125,991   |
| 21   | Amounts Recovered in Off-System Sales<br>Net Environmental Costs   | Sum Lines 18 thru 20  | \$             | 1,437,940 \$   |   | 1,092,352 \$  | 1,854,123 \$   |  | 505,206 \$  |  |
| 21<br>22   | Amounts Recovered in Off-System Sales Net Environmental Costs Total System Sales   | Sum Lines 18 thru 20  Monthly Fuel Filing   | \$             | 1,437,940 \$<br>5,427,393,740  | 875,102 \$<br>5,150,522,556   | 1,092,352 \$<br>4,723,872,382   | 1,854,123 \$<br>4,828,127,846  | 1,949,583 \$<br>5,615,989,658  | 505,206 \$<br>5,087,626,427   | 16,125,991   |
| 21<br>22<br>23                                     | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred ¢/kwh  | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100   | \$             | 1,437,940 \$<br>5,427,393,740<br>0.026   | 875,102 \$ 5,150,522,556 0.017  | 1,092,352 \$ 4,723,872,382 0.023  | 1,854,123 \$<br>4,828,127,846<br>0.038   | 1,949,583 \$<br>5,615,989,658<br>0.035   | 505,206 \$<br>5,087,626,427<br>0.010  | 16,125,991<br>62,669,145,490   |
| 21<br>22<br>23<br>24                               | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred ¢/kwh SC Retail Sales kWh  | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100   | \$<br>\$<br>\$ | 1,437,940 \$ 5,427,393,740 0.026 511,359,659   | 875,102 \$ 5,150,522,556 0.017 578,449,399  | 1,092,352 \$ 4,723,872,382 0.023 505,054,037  | 1,854,123 \$ 4,828,127,846 0.038 445,338,979   | 1,949,583 \$ 5,615,989,658 0.035 605,279,111   | 505,206 \$ 5,087,626,427 0.010 555,508,005  | 16,125,991<br>62,669,145,490<br>6,409,881,605  |
| 21<br>22<br>23<br>24<br>25                         | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred C/kwh SC Retail Sales kWh SC Environmental Costs   | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100   |                | 1,437,940 \$ 5,427,393,740 0.026 511,359,659 135,480 \$  | 875,102 \$ 5,150,522,556 0.017 578,449,399 98,282 \$  | 1,092,352 \$ 4,723,872,382 0.023 505,054,037 116,789 \$                                   | 1,854,123 \$ 4,828,127,846 0.038 445,338,979 171,021 \$                                | 1,949,583 \$ 5,615,989,658 0.035 605,279,111 210,122 \$  | 505,206 \$ 5,087,626,427 0.010 555,508,005 55,162 \$  | 16,125,991<br>62,669,145,490<br>6,409,881,605<br>1,631,193                                   |
| 21<br>22<br>23<br>24<br>25                         | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred ¢/kwh SC Retail Sales kWh SC Environmental Costs  SC General Service (non-demand) Environmental Cost Allocated by Firm CP  | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100  Line 25 * Line 2 (or Line 1)   |                | 1,437,940 \$ 5,427,393,740 0.026 511,359,659 135,480 \$ 7,398 \$                                 | 875,102 \$ 5,150,522,556 0.017 578,449,399 98,282 \$ 5,367 \$                                 | 1,092,352 \$ 4,723,872,382 0.023 505,054,037 116,789 \$ 6,378 \$                          | 1,854,123 \$ 4,828,127,846 0.038 445,338,979 171,021 \$ 9,339 \$                       | 1,949,583 \$ 5,615,989,658 0.035 605,279,111 210,122 \$ 13,375 \$                                  | 505,206 \$ 5,087,626,427 0.010 555,508,005 55,162 \$ 3,511 \$                                 | 16,125,991<br>62,669,145,490<br>6,409,881,605<br>1,631,193<br>91,477                         |
| 21<br>22<br>23<br>24<br>25<br>26                   | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred c/kwh SC Retail Sales kWh SC Environmental Costs  SC General Service (non-demand) Environmental Cost Allocated by Firm CP SC General Service (non-demand) kWh Sales  SC General Service (non-demand) Environmental Costs Incurred c/kwh SC General Service (non-demand) Environmental Costs Billed c/kwh   | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100  Line 25 * Line 2 (or Line 1)  Monthly Fuel Filing  |                | 1,437,940 \$ 5,427,393,740 0.026 511,359,659 135,480 \$ 7,398 \$ 29,398,859                      | 875,102 \$ 5,150,522,556 0.017 578,449,399 98,282 \$ 5,367 \$ 25,905,784                      | 1,092,352 \$ 4,723,872,382  | 1,854,123 \$ 4,828,127,846 0.038 445,338,979 171,021 \$ 9,339 \$ 1,109,696             | 1,949,583 \$ 5,615,989,658 0.035 605,279,111 210,122 \$ 13,375 \$ 24,675,505                       | 505,206 \$ 5,087,626,427 0.010 555,508,005 55,162 \$ 3,511 \$ 25,191,572                      | 16,125,991<br>62,669,145,490<br>6,409,881,605<br>1,631,193<br>91,477<br>297,493,472          |
| 21<br>22<br>23<br>24<br>25<br>26<br>27             | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred ¢/kwh SC Retail Sales kWh SC Environmental Costs  SC General Service (non-demand) Environmental Cost Allocated by Firm CP SC General Service (non-demand) kWh Sales  SC General Service (non-demand) Environmental Costs Incurred ¢/kwh SC General Service (non-demand) Environmental Costs Billed ¢/kwh SC General Service (non-demand) Environmental Costs (Over) / Under Recovery   | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100  Line 25 * Line 2 (or Line 1)  Monthly Fuel Filing Line 26 / Line 27 * 100  |                | 1,437,940 \$ 5,427,393,740 0.026 511,359,659 135,480 \$ 7,398 \$ 29,398,859 0.025                | 875,102 \$ 5,150,522,556 0.017 578,449,399 98,282 \$ 5,367 \$ 25,905,784 0.021                | 1,092,352 \$ 4,723,872,382   0.023   505,054,037   116,789 \$ 6,378 \$ 43,187,370   0.015 | 1,854,123 \$  4,828,127,846 0.038 445,338,979 171,021 \$  9,339 \$  1,109,696  0.842   | 1,949,583 \$ 5,615,989,658 0.035 605,279,111 210,122 \$ 13,375 \$ 24,675,505 0.054                 | 505,206 \$ 5,087,626,427 0.010 555,508,005 55,162 \$ 3,511 \$ 25,191,572                      | 16,125,991<br>62,669,145,490<br>6,409,881,605<br>1,631,193<br>91,477<br>297,493,472          |
| 21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred C/kwh SC Retail Sales kWh SC Environmental Costs  SC General Service (non-demand) Environmental Cost Allocated by Firm CP  SC General Service (non-demand) Environmental Costs Incurred C/kwh SC General Service (non-demand) Environmental Costs Billed C/kwh SC General Service (non-demand) Environmental Costs Over) / Under   | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100  Line 25 * Line 2 (or Line 1)  Monthly Fuel Filing Line 26 / Line 27 * 100  2018-1-E  | \$             | 1,437,940 \$ 5,427,393,740 0.026 511,359,659 135,480 \$ 7,398 \$ 29,398,859 0.025 0.008          | 875,102 \$ 5,150,522,556 0.017 578,449,399 98,282 \$ 5,367 \$ 25,905,784 0.021 0.008          | 1,092,352 \$ 4,723,872,382 0.023 505,054,037 116,789 \$ 6,378 \$ 43,187,370 0.015 0.008   | 1,854,123 \$ 4,828,127,846 0.038 445,338,979 171,021 \$ 9,339 \$ 1,109,696 0.842 0.008 | 1,949,583 \$ 5,615,989,658 0.035 605,279,111 210,122 \$ 13,375 \$ 24,675,505 0.054 0.008           | 505,206 \$ 5,087,626,427 0.010 555,508,005 55,162 \$ 3,511 \$ 25,191,572 0.014 0.008          | 16,125,991<br>62,669,145,490<br>6,409,881,605<br>1,631,193<br>91,477<br>297,493,472<br>0.031 |
| 21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | Amounts Recovered in Off-System Sales Net Environmental Costs  Total System Sales Environmental System Costs Incurred c/kwh SC Retail Sales kWh SC Environmental Costs  SC General Service (non-demand) Environmental Cost Allocated by Firm CP SC General Service (non-demand) Environmental Costs Incurred c/kwh SC General Service (non-demand) Environmental Costs Incurred c/kwh SC General Service (non-demand) Environmental Costs Billed c/kwh SC General Service (non-demand) Environmental Costs (Over) / Under Recovery Cumulative SC General Service (non-demand) Environmental Costs (Over) / | Sum Lines 18 thru 20  Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100  Line 25 * Line 2 (or Line 1)  Monthly Fuel Filing Line 26 / Line 27 * 100  2018-1-E  (Line 28 - Line 29) * Line 27 / 100  Prior Month Cum. Bal + Line 30 | \$             | 1,437,940 \$ 5,427,393,740 0.026 511,359,659 135,480 \$ 7,398 \$ 29,398,859 0.025 0.008 5,046 \$ | 875,102 \$ 5,150,522,556 0.017 578,449,399 98,282 \$ 5,367 \$ 25,905,784 0.021 0.008 3,296 \$ | 1,092,352 \$ 4,723,872,382  | 1,854,123 \$  4,828,127,846  | 1,949,583 \$ 5,615,989,658 0.035 605,279,111 210,122 \$ 13,375 \$ 24,675,505 0.054 0.008 11,403 \$ | 505,206 \$ 5,087,626,427 0.010 555,508,005 55,162 \$ 3,511 \$ 25,191,572 0.014 0.008 1,497 \$ | 16,125,991<br>62,669,145,490<br>6,409,881,605<br>1,631,193<br>91,477<br>297,493,472<br>0.031 |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4
Page 4 of 6
Docket No. 2019-1-E

 Line No.
 General Service (non-demand)

 1
 Winter 2018 Firm Coincident Peak (CP) kWs
 6.37%

 2
 Winter 2017 Firm Coincident Peak (CP) kWs
 5.46%

| Line No. | Description   | Reference                           |    | Estimated<br>March<br>2019 | Estimated<br>April<br>2019 |    | Estimated<br>May<br>2019 |    | Estimated<br>June<br>2019 |    | Sixteen Months<br>Ended<br>June 2019 |
|----------|---|-------------------------------------|----|----------------------------|----------------------------|----|--------------------------|----|---------------------------|----|--------------------------------------|
| 34       | Total Reagents  | WP7                                 | Ś  | 1,310,655                  | 1,004,394                  | ċ  | 1,014,503                | ċ  | 1,963,082                 | ċ  | 22,044,654                           |
| 35       | Emission Allowances   | WP7                                 | ş  | 1,510,055                  | 1,004,394                  |    | 1,014,303                | Ş  | 2,889                     | Ş  | (72,186)                             |
| 36       | Amounts Recovered in Off-System Sales   | WP7                                 |    | (71,965)                   | (11,599                    |    | (11,960)                 |    | (4,297)                   |    | (648,172)                            |
| 37       | Net Environmental Costs   | Sum Lines 34 thru 36                | \$ | 1,238,690                  | , ,                        | _  | 1,003,974                |    | 1,961,674                 | \$ | 21,324,297                           |
| 38       | Projected Total System Sales  | WP8                                 |    | 4,552,981,616              | 4,482,512,031              |    | 4,446,396,083            |    | 5,204,419,092             |    | 81,355,454,312                       |
| 39       | Environmental System Costs Incurred ¢/kwh   | Line 37 / Line 38 * 100             |    | 0.027                      | 0.022                      |    | 0.023                    |    | 0.038                     |    |                                      |
| 40       | Projected SC Retail Sales kWh   | WP8                                 |    | 416,088,164                | 510,686,159                |    | 491,046,715              |    | 541,036,670               |    | 8,368,739,314                        |
| 41       | SC Environmental Costs  | Line 39 * Line 40 / 100             | \$ | 113,201                    | 113,241                    | \$ | 110,876                  | \$ | 203,930                   | \$ | 2,172,442                            |
| 42       | SC General Service (non-demand) Environmental Cost Allocated by Firm CP                       | Line 41 * Line 1                    | \$ | 7,206                      | 7,208                      | \$ | 7,058                    | \$ | 12,981                    | \$ | 125,930                              |
| 43       | Projected SC General Service (non-demand) kWh Sales   | WP8a                                |    | 18,802,778                 | 23,902,363                 |    | 24,173,210               |    | 25,241,053                |    | 389,612,876                          |
| 44       | SC General Service (non-demand) Environmental Costs Incurred ¢/kwh                            | Line 42 / Line 43 * 100             |    | 0.038                      | 0.030                      |    | 0.029                    |    | 0.051                     |    |                                      |
| 45       | SC General Service (non-demand) Environmental Costs Billed ¢/kwh                              | 2018-1-E                            |    | 0.008                      | 0.008                      |    | 0.008                    |    | 0.008                     |    |                                      |
|          | SC General Service (non-demand) Environmental Costs (Over) / Under                            |                                     |    |                            |                            |    |                          |    |                           |    |                                      |
| 46       | Recovery  | (Line 44 - Line 45) * Line 43 / 100 | \$ | 5,702                      | 5,296                      | \$ | 5,124                    | \$ | 10,962                    | \$ | 78,131                               |
|          | Cumulative SC General Service (non-demand) Environmental Costs (Over) /                       |                                     |    |                            |                            |    | 40.050                   |    | 22.245                    |    | 20.245                               |
| 47       | Under Recovery  | Prior Month Cum. Bal + Line 46      | \$ | 8,833                      | 14,129                     | \$ | 19,253                   | \$ | 30,215                    |    | 30,215                               |
| 48       | Adjustment(s) Adjusted Cumulative SC General Service (non-demand) Environmental Costs         |                                     |    |                            |                            |    |                          |    |                           |    | -                                    |
| 49       | (Over) / Under Recovery   | Line 47 + Line 48                   |    |                            |                            |    |                          |    |                           | \$ | 30,215                               |
| 50       | SC Projected General Service (non-demand) kWh Sales July 2019 - June 2020                     | WP8a                                |    |                            |                            |    |                          |    |                           |    | 299,773,076                          |
| 51       | SC General Service (non-demand) Environmental Increment / (Decrement) Calculated Rate (¢/kwh) | (Line 49 / Line 50 * 100)           |    |                            |                            |    |                          |    |                           |    | 0.010                                |

Harrington Exhibit 4

Docket No. 2019-1-E

\$

73,322

Page 5 of 6

#### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE

CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Line No. General Service (demand) Winter 2018 Firm Coincident Peak (CP) kWs 32.73%

Line 31 + Line 32

Costs (Over) / Under Recovery

| 1        | Winter 2018 Firm Coincident Peak (CP) kWs   | 32.73%                              |    |               |               |                  |                  |                 |               |   |
|----------|---|-------------------------------------|----|---------------|---------------|------------------|------------------|-----------------|---------------|---|
| 2        | Winter 2017 Firm Coincident Peak (CP) kWs   | 35.43%                              |    |               |               |                  |                  |                 |               |   |
|          |   |                                     |    | Actual        | Actual        | Actual           | Actual           | Actual          | Actual        |   |
|          |   |                                     |    | March         | April         | May              | June             | July            | August        |   |
| Line No. | Description   | Reference                           |    | 2018          | 2018          | 2018             | 2018             | 2018            | 2018          |   |
| 3        | Total Reagents  | Monthly Fuel Filing                 | \$ | 787,583 \$    | 873,319 \$    | 1,083,871 \$     | 1,993,580 \$     | 1,766,587 \$    | 2,089,366     |   |
| 4        | Emission Allowances   | Monthly Fuel Filing                 | •  | 833           | 3,744         | (94,203)         | 1,451            | 2,619           | 2,002         |   |
| 5        | Amounts Recovered in Off-System Sales   | Monthly Fuel Filing                 |    | (10,052)      | (13,684)      | (14,979)         | (10,832)         | (24,914)        | (24,607)      |   |
| 6        | Net Environmental Costs   | Sum Lines 3 thru 5                  | \$ | 778,364 \$    | 863,379 \$    | 974,689 \$       | 1,984,199 \$     | 1,744,293 \$    | 2,066,761     |   |
| 7        | Total System Sales kWh  | Monthly Fuel Filing                 |    | 4,653,962,859 | 4,494,045,504 | 4,644,699,960    | 5,677,792,552    | 6,164,634,934   | 6,200,477,072 |   |
| 8        | Environmental System Costs Incurred ¢/kwh   | Line 6 / Line 7 * 100               |    | 0.017         | 0.019         | 0.021            | 0.035            | 0.028           | 0.033         |   |
| 9        | SC Retail Sales kWh   | Monthly Fuel Filing                 |    | 411,013,563   | 533,237,463   | 461,633,361      | 523,124,836      | 658,136,492     | 621,746,700   |   |
| 10       | SC Environmental Costs  | Line 8 * Line 9 / 100               | \$ | 68,741 \$     | 102,444 \$    | 96,874 \$        | 182,815 \$       | 186,221 \$      | 207,242       |   |
| 11       | SC General Service (demand) Environmental Cost Allocated by Firm CP   | Line 10 * Line 2                    | \$ | 24,352 \$     | 36,291 \$     | 34,318 \$        | 64,763 \$        | 65,969 \$       | 73,416        |   |
| 12       | SC General Service (demand) kW Sales  | Monthly Fuel Filing                 |    | 657,929       | 666,086       | 652,200          | 669,014          | 703,175         | 805,885       |   |
| 13       | SC General Service (demand) Environmental Costs Incurred ¢ / kW   | Line 11 / Line 12 * 100             |    | 4             | 5             | 5                | 10               | 9               | 9             |   |
| 14       | SC General Service (demand) Environmental Costs Billed ¢ / kW   | 2017-1-E, 2018-1-E                  |    | 7             | 7             | 7                | 7                | 4               | 1             |   |
| 15       | SC General Service (demand) Environmental Costs (Over) / Under Recovery   | (Line 13 - Line 14) * Line 12 / 100 | \$ | (21,703) \$   | (10,335) \$   | (11,336) \$      | 17,932 \$        | 35,654 \$       | 63,688        |   |
| 16       | Prior Year Balance  | 2018-1-E                            | \$ | (232,775)     |               |                  |                  |                 |               |   |
| 17       | Adjusted Cumulative SC Environmental Costs (Over) / Under Recovery  | Prior Month Cum. Bal + Line 15      | \$ | (254,478) \$  | (264,813) \$  | (276,149) \$     | (258,217) \$     | (222,563) \$    | (158,875)     |   |
|          |   |                                     |    | Actual        | Actual        | Actual           | Actual           | Actual          | Actual        | Review Period                           |
|          | Description   | Deference                           |    | September     | October       | November<br>2018 | December<br>2018 | January<br>2019 | February      | Twelve Months                           |
| Line No. | Description   | Reference                           |    | 2018          | 2018          | 2018             | 2018             | 2019            | 2019          | Ended Feb 2019                          |
| 18       | Total Reagents  | Monthly Fuel Filing                 | \$ | 1,446,270 \$  | 894,255 \$    | 1,161,039 \$     | 2,048,497 \$     | 2,028,239 \$    | 579,414       | \$ 16,752,021                           |
| 19       | Emission Allowances   | Monthly Fuel Filing                 |    | 2,157         | 1,511         | 943              | 1,264            | -               | -             | (77,679)                                |
| 20       | Amounts Recovered in Off-System Sales   | Monthly Fuel Filing                 |    | (10,487)      | (20,664)      | (69,630)         | (195,638)        | (78,656)        | (74,208)      | (548,351)                               |
| 21       | Net Environmental Costs   | Sum Lines 18 thru 20                | \$ | 1,437,940 \$  | 875,102 \$    | 1,092,352 \$     | 1,854,123 \$     | 1,949,583 \$    | 505,206       | \$ 16,125,991                           |
| 22       | Total System Sales kWh  | Monthly Fuel Filing                 |    | 5,427,393,740 | 5,150,522,556 | 4,723,872,382    | 4,828,127,846    | 5,615,989,658   | 5,087,626,427 | 62,669,145,490                          |
| 23       | Environmental System Costs Incurred ¢/kwh   | Line 21 / Line 22 * 100             |    | 0.026         | 0.017         | 0.023            | 0.038            | 0.035           | 0.010         | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 24       | SC Retail Sales kWh   | Monthly Fuel Filing                 |    | 511,359,659   | 578,449,399   | 505,054,037      | 445,338,979      | 605,279,111     | 555,508,005   | 6,409,881,605                           |
| 25       | SC Environmental Costs  | Line 23 * Line 24 / 100             | \$ | 135,480 \$    | 98,282 \$     | 116,789 \$       | 171,021 \$       | 210,122 \$      | 55,162        |   |
| 26       | SC General Service (demand) Environmental Cost Allocated by Firm CP   | Line 25 * Line 2 (or Line 1)        | \$ | 47,994 \$     | 34,817 \$     | 41,373 \$        | 60,585 \$        | 68,767 \$       | 18,053.07     | \$ 570,699                              |
| 27       | SC General Service (demand) kW Sales  | Monthly Fuel Filing                 |    | 885,000       | 704,900       | 647,300          | 621,700          | 409,400         | 671,000       | 8,093,589                               |
| 28       | SC General Service (demand) Environmental Costs Incurred ¢ / kW   | Line 26 / Line 27 * 100             |    | 5             | 5             | 6                | 10               | 17              | 3             | 7                                       |
| 29       | SC General Service (demand) Environmental Costs Billed ¢ / kW<br>SC General Service (demand) Environmental Costs (Over) / Under | 2018-1-E                            |    | 1             | 1             | 1                | 1                | 1               | 1             | 1                                       |
| 30       | Recovery  Cumulative SC General Service (demand) Environmental Costs (Over) /   | (Line 28 - Line 29) * Line 27 / 100 | \$ | 39,145 \$     | 27,768 \$     | 34,900 \$        | 54,368 \$        | 64,673 \$       | 11,343        | \$ 306,097                              |
| 31<br>32 | Under Recovery Adjustment(s) Adjusted Cumulative SC General Service (demand) Environmental                                      | Prior Month Cum. Bal + Line 30      | \$ | (119,730) \$  | (91,962) \$   | (57,062) \$      | (2,694) \$       | 61,979 \$       | 73,322        | \$ 73,322                               |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4
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| Line No. |   | General Service (demand) |
|----------|---|--------------------------|
| 1        | Winter 2018 Firm Coincident Peak (CP) kWs | 32.73%                   |
| 2        | Winter 2017 Firm Coincident Peak (CP) kWs | 35.43%                   |

| Line No. | Description  | Reference                           | Estimated<br>March<br>2019 | Estimated<br>April<br>2019 | Estimated<br>May<br>2019 |      | Estimated<br>June<br>2019 | Si | ixteen Months<br>Ended<br>June 2019 |
|----------|--|-------------------------------------|----------------------------|----------------------------|--------------------------|------|---------------------------|----|-------------------------------------|
| 34       | Total Reagents   | WP7                                 | \$<br>1,310,655            | \$<br>1,004,394            | \$ 1,014,503             | } \$ | 1,963,082                 | \$ | 22,044,654                          |
| 35       | Emission Allowances  | WP7                                 | -                          | 1,173                      | 1,431                    | L    | 2,889                     |    | (72,186)                            |
| 36       | Amounts Recovered in Off-System Sales                            | WP7                                 | (71,965)                   | (11,599)                   | (11,960                  | ))   | (4,297)                   |    | (648,172)                           |
| 37       | Net Environmental Costs  | Sum Lines 34 thru 36                | \$<br>1,238,690            | \$<br>993,968              | \$ 1,003,974             | \$   | 1,961,674                 | \$ | 21,324,297                          |
| 38       | Projected Total System Sales kWh                                 | WP8                                 | 4,552,981,616              | 4,482,512,031              | 4,446,396,083            | \$   | 5,204,419,092             |    | 81,355,454,312                      |
| 39       | Environmental System Costs Incurred ¢/kwh                        | Line 37 / Line 38 * 100             | 0.027                      | 0.022                      | 0.023                    |      | 0.038                     |    |                                     |
| 40       | Projected SC Retail Sales kWh                                    | WP8                                 | 416,088,164                | 510,686,159                | 491,046,715              | j    | 541,036,670               |    | 8,368,739,314                       |
| 41       | SC Environmental Costs   | Line 39 * Line 40 / 100             | \$<br>113,201              | \$<br>113,241              | \$ 110,876               | \$   | 203,930                   | \$ | 2,172,442                           |
|          | SC General Service (demand) Environmental Cost Allocated by Firm |                                     |                            |                            |                          |      |                           |    |                                     |
| 42       | CP   | Line 41 * Line 1                    | \$<br>37,048               | \$<br>37,061               | \$ 36,286                | \$   | 66,740                    | \$ | 747,834                             |
| 43       | Projected SC General Service (demand) kW Sales                   | WP8a                                | 645,500                    | 696,605                    | 771,394                  | ļ    | 824,008                   |    | 11,031,096                          |
| 44       | SC General Service (demand) Environmental Costs Incurred ¢ / kW  | Line 42 / Line 43 * 100             | 6                          | 5                          | 5                        | í    | 8                         |    |                                     |
| 45       | SC General Service (demand) Environmental Costs Billed ¢ / kW    | 2018-1-E                            | 1                          | 1                          | 1                        |      | 1                         |    |                                     |
|          | SC General Service (demand) Environmental Costs (Over) / Under   |                                     |                            |                            |                          |      |                           |    |                                     |
| 46       | Recovery   | (Line 44 - Line 45) * Line 43 / 100 | \$<br>30,592               | \$<br>30,095               | \$ 28,573                | \$   | 58,500                    | \$ | 453,856                             |
|          | Cumulative SC General Service (demand) Environmental Costs       |                                     |                            |                            |                          |      |                           |    |                                     |
| 47       | (Over) / Under Recovery  | Prior Month Cum. Bal + Line 46      | \$<br>103,914              | \$<br>134,009              | \$ 162,583               | . \$ | 221,081                   |    | 221,081                             |
| 48       | Adjustment(s)  |                                     |                            |                            |                          |      |                           |    | -                                   |
|          | Adjusted Cumulative SC General Service (demand) Environmental    |                                     |                            |                            |                          |      | •                         |    |                                     |
| 49       | Costs (Over) / Under Recovery                                    | Line 47 + Line 48                   |                            |                            |                          |      |                           | \$ | 221,081                             |
|          | SC Projected General Service (demand) kW Sales July 2019 - June  |                                     |                            |                            |                          |      |                           |    |                                     |
| 50       | 2020   | WP8a                                |                            |                            |                          |      |                           |    | 9,063,849                           |
|          | SC General Service (demand) Environmental Increment /            |                                     |                            |                            |                          |      |                           |    |                                     |
| 51       | (Decrement) Calculated Rate (¢/kw)                               | (Line 49 / Line 50*100)             |                            |                            |                          |      |                           |    | 2                                   |
|          |  |                                     |                            |                            |                          |      |                           |    |                                     |

0.047

9,063,849

#### **DUKE ENERGY PROGRESS, LLC** SOUTH CAROLINA RETAIL FUEL CASE PROJECTED BILLING PERIOD ENVIRONMENTAL COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

CP %

Harrington Exhibit 5 Docket No. 2019-1-E

#### Winter 2018 Firm Coincident Peak (CP) KWs

Line 22 / Line 26 \* 100

Line 23 / Line 32 \* 100

WP8a

Line No.

Class

General Service (non-demand)

General Service (demand) (¢/kW)

Projected Average Environmental Fuel Cost ¢/kW

Projected SC KW sales General Service (demand)

31

32

| 1        | Residential   | 777,822                 |    | 60.91%           |                  |                   |                  |                  |                   |                 |
|----------|---|-------------------------|----|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------------|
| 2        | General Service (non-demand)  | 81,290                  |    | 6.37%            |                  |                   |                  |                  |                   |                 |
| 3        | General Service (demand)  | 417,943                 |    | 32.73%           |                  |                   |                  |                  |                   |                 |
| 4        | Total SC  | 1,277,055               |    | 100.00%          |                  |                   |                  |                  |                   |                 |
| Line No. | Description   | Reference               |    | July<br>2019     | August<br>2019   | September<br>2019 | October<br>2019  | November<br>2019 | December<br>2019  |                 |
| F        | Tullbury  | 1477                    |    | 2.512.711        | 2 402 622 6      | 4 022 252 . Ć     | 1 220 070 . Ć    | 1 200 724 . Ć    | 2 122 014         |                 |
| 5        | Total Reagents  | WP7<br>WP7              | \$ | 2,513,711 \$     |                  | 1,823,252 \$      | 1,229,970 \$     | 1,398,731 \$     | 2,122,014         |                 |
| 6<br>7   | Emission Allowances Estimated Amounts Recovered in Off-system Sales | WP7<br>WP7              |    | 3,700<br>(4,637) | 3,751<br>(2,612) | 2,849<br>(4,322)  | 1,874<br>(1,704) | 2,206<br>(7,443) | 3,415<br>(22,150) |                 |
| 8        | Net Environmental Costs   | Sum Lines 5 through 7   | Ś  | 2,512,774 \$     |                  |                   | 1,230,140 \$     |                  | 2,103,279         |                 |
| 9        | Total Projected System Sales kWh (w/ solar)                         | WP8                     | Ş  | 5,953,609,386    | 6,010,985,735    | 5,482,284,590     | 4,671,693,496    | 4,595,842,719    | 5,172,638,730     |                 |
| 10       | Environmental System Costs Incurred ¢/kWh                           | Line 8 / Line 9 * 100   |    | 0.042            | 0.041            | 0.033             | 0.026            | 0.030            | 0.041             |                 |
| 11       | Projected SC Retail Sales   | WP8                     |    | 615,370,381      | 630,455,795      | 602,829,492       | 524,692,648      | 500,969,344      | 552,701,752       |                 |
| 12       | SC Environmental Costs  | Line 10 * Line 11 / 100 |    | 259,723          | 260,612          | 200,322           | 138,161          | 151,898          | 224,738           |                 |
| 14       | 3C Elivironmental costs   | Line 10 Line 11 / 100   |    | 233,123          | 200,012          | 200,322           | 150,101          | 131,030          | 227,730           | Billing Period  |
|          |   |                         |    | January          | February         | March             | April            | May              | June              | Twelve Months   |
| Line No. | Description   | Reference               |    | 2020             | 2020             | 2020              | 2020             | 2020             | 2020              | Ended June 2020 |
|          |   |                         |    |                  |                  |                   |                  |                  |                   |                 |
| 13       | Total Reagents  | WP7                     | \$ | 2,629,502 \$     | 2,587,287 \$     | 1,603,961 \$      | 427,009 \$       | 588,162 \$       | 1,448,839         | \$ 20,856,06    |
| 14       | Emission Allowances   | WP7                     |    | 3,607            | 3,570            | 2,229             | 575              | 849              | 2,073             | 30,69           |
| 15       | Estimated Amounts Recovered in Off-system Sales                     | WP7                     |    | (125,273)        | (84,354)         | (23,636)          | (15,317)         | (19,248)         | (9,697)           | (320,39         |
| 16       | Net Environmental Costs   | Sum Lines 13 thru 15    | \$ | 2,507,836 \$     |                  | 1,582,554 \$      | 412,267 \$       | , ,              |                   |                 |
| 17       | Total Projected System Sales kWh (w/ solar)                         | WP8                     |    | 5,679,535,820    | 5,466,072,140    | 5,022,976,178     | 4,423,919,449    | 4,396,701,438    | 5,136,235,584     | 62,012,495,26   |
| 18       | Environmental System Costs Incurred ¢/kWh                           | Line 16 / Line 17 *100  |    | 0.044            | 0.046            | 0.032             | 0.009            | 0.013            | 0.028             |                 |
| 19       | Projected SC Retail Sales   | WP8                     |    | 605,095,272      | 594,590,939      | 555,942,153       | 512,389,178      | 493,993,336      | 541,309,853       | 6,730,340,14    |
| 20       | SC Environmental Costs  | Line 18 * Line 19 / 100 |    | 267,184          | 272,654          | 175,157           | 47,750           | 64,016           | 151,890           | 2,214,1         |
|          | SC Environmental Costs Allocated on Firm CP kWs                     |                         |    |                  |                  |                   |                  |                  |                   |                 |
| 21       | Residential   | Total Line 20 * Line 1  |    |                  |                  |                   |                  |                  |                   | \$ 1,348,5      |
| 22       | General Service (Non-demand)  | Total Line 20 * Line 2  |    |                  |                  |                   |                  |                  |                   | 140,93          |
| 23       | General Service (Demand)  | Total Line 20 * Line 3  |    |                  |                  |                   |                  |                  |                   | 724,61          |
| 24       | Total SC  | Sum Lines 21 through 23 |    |                  |                  |                   |                  |                  | _                 | \$ 2,214,10     |
|          | Projected SC Retail Sales kWh (July 2019-June 2020)                 |                         |    |                  |                  |                   |                  |                  |                   |                 |
| 25       | Residential   | WP8a                    |    |                  |                  |                   |                  |                  |                   | 2,301,521,0     |
| 26       | General Service (non-demand)  | WP8a                    |    |                  |                  |                   |                  |                  |                   | 299,773,0       |
| 27       | General Service (demand)  | WP8a                    |    |                  |                  |                   |                  |                  |                   | 4,032,970,8     |
| 28       | Lighting  | WP8a                    |    |                  |                  |                   |                  |                  |                   | 96,075,1        |
| 29       | Total SC  | Sum Lines 25 through 28 |    |                  |                  |                   |                  |                  | _                 | 6,730,340,1     |
|          | Projected Average Environmental Fuel Cost ¢/kWh                     |                         |    |                  |                  |                   |                  |                  |                   |                 |
| 30       | Residential   | Line 21 / Line 25 * 100 |    |                  |                  |                   |                  |                  |                   | 0.05            |
|          | 0 10 1 1 1  | /                       |    |                  |                  |                   |                  |                  |                   |                 |

Harrington Exhibit 6

Docket No. 2019-1-E

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE REVENUE ADJUSTMENT FACTOR FOR RECD FOR THE 12 MONTHS ENDED FEBRUARY 28, 2019

#### **Residential Adjustment Factor**

| 1 | Billed kWh (12ME 2/28/19)        | Per Books       | 2,118,023,917   |
|---|----------------------------------|-----------------|-----------------|
| 2 | Billed RECD kWh (12ME 2/28/19)   |                 | 307,864,983 (a) |
| 3 | RECD kWh Percent of Total Billed | Line 2 / Line 1 | 14.5355%        |
| 4 | RECD Discount                    | RECD Discount   | 5.0000% (b)     |
| 5 | RECD Impact (Weighted Discount)  | Line 3 X Line 4 | 0.7268%         |

#### Notes:

- (a) Energy billed and discounted pursuant to Residential Energy Conservation Discount, Rider RECD-2C.
- (b) Five-percent discount provided under Residential Energy Conservation Discount, Rider RECD-2C.

#### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Residential Winter 2018 Firm Coincident Peak (CP) kWs 60.91% Winter 2017 Firm Coincident Peak (CP) kWs 59.11%

|          |  |                                  | Actual           |    | Actual        | Actual        |    | Actual        |    | Actual        | Actual        |
|----------|--|----------------------------------|------------------|----|---------------|---------------|----|---------------|----|---------------|---------------|
|          |  |                                  | March            |    | April         | May           |    | June          |    | July          | August        |
| Line No. | Description  | Reference                        | 2018             |    | 2018          | 2018          |    | 2018          |    | 2018          | 2018          |
|          |  |                                  |                  |    |               |               |    |               |    |               |               |
| 3        | PURPA Purchased Power Capacity Costs                               | Monthly Fuel Filing              | \$<br>3,501,027  | Ş  | 5,769,066     | 5,660,960     | Ş  | 9,096,212     | Ş  | 9,511,571 \$  | 9,360,396     |
| 4        | Firm Natural Gas Transportation and Storage Costs                  | Monthly Fuel Filing              | <br>11,019,595   |    | 10,681,190    | 10,961,570    |    | 10,765,277    |    | 10,589,252    | 10,930,096    |
| 5        | Total Capacity Related Costs                                       | Lines 3 + Line 4                 | \$<br>14,520,622 | \$ | 16,450,256    | 16,622,530    | \$ | 19,861,489    | \$ | 20,100,823 \$ | 20,290,492    |
| 6        | Total System kWh Sales   | Monthly Fuel Filings             | 4,653,962,859    |    | 4,494,045,504 | 4,644,699,960 |    | 5,677,792,552 |    | 6,164,634,934 | 6,200,477,072 |
| 7        | Capacity Related System Costs Incurred (¢/kWh)                     | Line 5 / Line 6 * 100            | 0.312            |    | 0.366         | 0.358         |    | 0.350         |    | 0.326         | 0.327         |
| 8        | SC Retail Sales kWh  | Monthly Fuel Filings             | 411,013,563      |    | 533,237,463   | 461,633,361   |    | 523,124,836   |    | 658,136,492   | 621,746,700   |
| 9        | SC Capacity Related Costs Incurred                                 | Line 7 * Line 8 / 100            | \$<br>1,282,385  | \$ | 1,951,892     | 1,652,101     | \$ | 1,829,943     | \$ | 2,145,964 \$  | 2,034,609     |
| 10       | SC Residential Capacity Related Costs Allocated by Firm CP         | Line 9 * Line 2                  | \$<br>758,065    | \$ | 1,153,836 \$  | 976,618       | \$ | 1,081,747     | \$ | 1,268,559 \$  | 1,202,733     |
| 11       | SC Residential kWh Sales   | Monthly Fuel Filing              | 143,961,446      |    | 142,967,229   | 126,649,812   |    | 183,269,324   |    | 209,653,372   | 205,859,617   |
| 12       | SC Residential Capacity Related Cost Incurred (¢/kWh)              | Line 10 / Line 11 * 100          | 0.527            |    | 0.807         | 0.771         |    | 0.590         |    | 0.605         | 0.584         |
| 13       | SC Residential Non-Fuel Base Rates Billed (¢/kWh)                  | 2017-1-E, 2018-1-E               | 0.472            |    | 0.472         | 0.471         |    | 0.471         |    | 0.563         | 0.669         |
| 14       | SC Capacity Related (Over) / Under Recovery                        | (Line 12 - Line 13)*Line 11 /100 | \$<br>79,187     | \$ | 479,717       | 379,717       | \$ | 217,876       | \$ | 88,083 \$     | (174,287)     |
| 15       | Prior Year Balance   | 2018-1-E                         | \$<br>1,072,233  |    |               |               |    |               |    |               |               |
|          | Adjusted Cumulative SC Residential Capacity Related (Over) / Under |                                  |                  |    |               |               |    |               |    |               |               |
| 16       | Recovery   | Prior Month Cum. Bal + Line 14   | \$<br>1,151,420  | \$ | 1,631,137     | 2,010,854     | \$ | 2,228,730     | \$ | 2,316,813 \$  | 2,142,526     |

|  |   |  | Actual<br>September  |   | Actual<br>October  | Actual<br>November                   | Actual<br>December   | Actual<br>January                    | Actual<br>February   | Review Period<br>Twelve Months  | SC   |
|--|---|--|--|---|--|--------------------------------------|--|--------------------------------------|--|---|--|
| Description  | Reference   |  | 2018   |   | 2018   | 2018                                 | 2018   | 2019                                 | 2019   | Ended Feb 2019  | ï  |
|  |   |  |  |   |  |                                      |  |                                      |  |   | D  |
| PURPA Purchased Power Capacity Costs                               | Monthly Fuel Filing   | \$   | 9,533,487 \$   | 5   | 2,509,771 \$   | 3,787,242                            | 2,047,397 \$   | 4,233,736 \$                         | 5,175,127  | \$ 70,185,992   | Ŏ  |
| Firm Natural Gas Transportation and Storage Costs                  | Monthly Fuel Filing   |  | 10,231,278   |   | 9,779,505  | 11,410,673                           | 11,126,924   | 10,513,351                           | 10,049,308   | 128,058,019   | 으  |
| Total Capacity Related Costs                                       | Line 17 + Line 18   | \$   | 19,764,765 \$  | 5   | 12,289,276 \$  | 15,197,915 \$                        | 13,174,321 \$  | 14,747,087 \$                        | 15,224,435   | \$ 198,244,011  | ket  |
| Total System kWh Sales   | Monthly Fuel Filings  |  | 5,427,393,740  |   |  | 4,723,872,382                        | 4,828,127,846  | 5,615,989,658                        | 5,087,626,427  | 62,669,145,490  |  |
|  | Line 19 / Line 20 * 100   |  | 0.364  |   | 0.239  | 0.322                                | 0.273  | 0.263                                | 0.299  |   | 2  |
| SC Retail Sales kWh  | Monthly Fuel Filings  |  | 511,359,659  |   | 578,449,399  | 505,054,037                          | 445,338,979  | 605,279,111                          | 555,508,005  | 6,409,881,605   | $\circ$  |
| SC Capacity Related Costs Incurred                                 | Line 21 * Line 22 / 100   | \$   | 1,862,202 \$   | 5   | 1,380,195 \$   | 1,624,889                            | 1,215,179 \$   | 1,589,409 \$                         | 1,662,326  | \$ 20,231,095   | 9  |
| SC Residential Capacity Related Costs Allocated by Firm CP         | Line 23 * Line 2 or (Line 1)  | \$   | 1,100,816 \$   | 5   | 815,884 \$   | 960,532                              | 718,337  | 968,069 \$                           | 1,012,481  | \$ 12,017,677   | · -  |
| SC Residential kWh Sales   | Monthly Fuel Filing   |  | 192,472,913  |   | 166,363,331  | 135,084,422                          | 188,450,930  | 199,934,867                          | 206,574,763  | 2,101,242,026   | ьщ   |
| SC Residential Capacity Related Cost Incurred (¢/kWh)              | Line 24 / Line 25 * 100   |  | 0.572  |   | 0.490  | 0.711                                | 0.381  | 0.484                                | 0.490  |   | - 1  |
| SC Residential Non-Fuel Base Rates Billed (¢/kWh)                  | 2018-1-E  |  | 0.676  |   | 0.673  | 0.676                                | 0.676  | 0.676                                | 0.676  |   | т  |
| SC Capacity Related (Over) / Under Recovery                        | (Line 26 - Line 27)*Line 25 /100  | \$   | (199,912) \$   | Ś   | (303,466) \$   | 47,213 \$                            | (556,097) \$   | (384,000) \$                         | (384,503)  | \$ (710,472   |  |
| Adjusted Cumulative SC Residential Capacity Related (Over) / Under |   |  |  |   | 4 500 440 4  | 4 505 054 - 4                        |  | c.ac. A                              | 201 701  | 201 701   | ge   |
| •  | Prior Month Cum. Bai + Line 28  | \$   | 1,942,614 \$   | >   | 1,639,148 \$   | 1,686,361 \$                         | 1,130,264 \$   | 746,264 \$                           | 361,/61  | 361,/61   |  |
| Adjustment(s)  |   |  |  |   |  |                                      |  |                                      | -  | -   | _ ∞  |
| Adjusted Cumulative SC Residential Capacity Related (Over) / Under |   |  |  |   |  |                                      |  |                                      |  |   | 으  |
| Recovery   | Line 29 + Line 30   |  |  |   |  |                                      |  |                                      |  | \$ 361,761  | 38   |
|  | PURPA Purchased Power Capacity Costs  Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Total System kWh Sales  Capacity Related System Costs Incurred (¢/kWh)  SC Retail Sales kWh  SC Capacity Related Costs Incurred  SC Residential Capacity Related Costs Allocated by Firm CP  SC Residential KWh Sales  SC Residential Capacity Related Cost Incurred (¢/kWh)  SC Residential Non-Fuel Base Rates Billed (¢/kWh)  SC Capacity Related (Over) / Under Recovery  Adjusted Cumulative SC Residential Capacity Related (Over) / Under Recovery  Adjusted Cumulative SC Residential Capacity Related (Over) / Under Recovery  Adjusted Cumulative SC Residential Capacity Related (Over) / Under | PURPA Purchased Power Capacity Costs  Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Total System kWh Sales Capacity Related System Costs Incurred (¢/kWh)  SC Retail Sales kWh  Monthly Fuel Filings Line 19 / Line 20 * 100 Monthly Fuel Filings Line 19 / Line 20 * 100 Monthly Fuel Filings Line 21 * Line 22 / 100 Monthly Fuel Filings Line 21 * Line 22 / 100 Line 23 * Line 2 or (Line 1)  SC Residential Capacity Related Costs Allocated by Firm CP  Line 23 * Line 2 or (Line 1)  SC Residential KWh Sales Monthly Fuel Filing Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Capacity Related Cost Incurred (¢/kWh) Line 24 / Line 25 * 100 Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Line 24 / Line 25 * 100 Monthly Fuel Filing Line 26 - Line 27)*Line 25 / 100 Monthly Fuel Filing Line 26 - Line 27)*Line 25 / 100 Monthly Fuel Filing Line 26 - Line 27)*Line 25 / 100 Monthly Fuel Filing Line 21 * Line 28 / Line 28 Monthly Fuel Filing Line 21 * Line 22 / Line 23 * Line 20 (Line 21) Line 24 / Line 25 * 100 Line 26 - Line 27)*Line 25 / 100 Line 26 - Line 27)*Line 25 / 100 Monthly Fuel Filing Line 21 * Line 22 / Line 23 * Line 20 (Line 21) Line 24 / Line 25 * 100 Line 26 * Line 27)*Line 25 / 100 Line 26 * Line 27)*Line 26 * Line 27)*Line 25 / 100 Line 26 * Line 27)*Line | PURPA Purchased Power Capacity Costs  Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Total System kWh Sales Capacity Related System Costs Incurred (c/kWh)  SC Retail Sales kWh  Monthly Fuel Filings Line 19 / Line 20 * 100  Monthly Fuel Filings Line 19 / Line 20 * 100  Monthly Fuel Filings Line 21 * Line 22 / 100  \$ Capacity Related Costs Incurred Line 21 * Line 22 / 100  \$ Capacity Related Costs Incurred Line 23 * Line 2 or (Line 1)  \$ Capacity Related Costs Residential Capacity Related Cost Incurred (c/kWh)  Capacity Related (Over) / Under Recovery  Adjusted Cumulative SC Residential Capacity Related (Over) / Under  Recovery  Adjusted Cumulative SC Residential Capacity Related (Over) / Under  Adjusted Cumulative SC Residential Capacity Related (Over) / Under  Adjusted Cumulative SC Residential Capacity Related (Over) / Under  Adjusted Cumulative SC Residential Capacity Related (Over) / Under  Adjusted Cumulative SC Residential Capacity Related (Over) / Under | PURPA Purchased Power Capacity Costs Purchased Power Capacity Related Costs Purchased Power Capacity Related Purchased | PURPA Purchased Power Capacity Costs Purchased Power Capacity Related Costs Purchased Power Capacity Related Filling Purchased Power Capacity Related Costs Purchased Power Capacity Related Filling Purchased Power Capacity Related Costs Purchased Power Capacity Related Filling Purchased Power Capacity Related Filling Purchased Power Capacity Related Posts Purchased Power Capacity Related Filling Purchased Power Capacity Related Posts Purchased Power Capacity Purchased Posts Purchased Power Capacity Related Posts Purchased Power Capacity Purchased Posts Purchased Power Capacity Related Posts Purchased Purchased Power Purchased Posts Purchased Power Capacity Posts Purchased Power Capacity Posts Purchased Power Purchased Power Purchased Posts Posts Posts Purchased Power Purchas | PURPA Purchased Power Capacity Costs | Description   Reference   2018   20 | PURPA Purchased Power Capacity Costs | PURPA Purchased Power Capacity Costs PURPA Purchased Power Capacity Costs Monthly Fuel Filing Monthly Fuel | PURPA Purchased Power Capacity Costs PURPA Purchased Power Capacity Costs Monthly Fuel Filing PURPA Purchased Power Capacity Costs Monthly Fuel Filing Monthly Fuel Filing Monthly Fuel Filing Monthly Fuel Filing Monthly Fuel Filings Monthly | PURPA Purchased Power Capacity Costs Purchased Power Capacity Costs Monthly Fuel Filing Purchased Power Capacity Costs Monthly Fuel Filing Monthly |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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| Line No. |   | Residential |
|----------|---|-------------|
| 1        | Winter 2018 Firm Coincident Peak (CP) kWs | 60.91%      |
| 2        | Winter 2017 Firm Coincident Peak (CP) kWs | 59.11%      |

| Line No. | Description  | Reference                        | Estimated<br>March<br>2019 | Estimated<br>April<br>2019 | Estimated<br>May<br>2019 | Estimated<br>June<br>2019 | Sixteen Months<br>Ended<br>June 2019 |
|----------|--|----------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|--------------------------------------|
| Line No. | Description  | Reference                        | 2015                       | 2013                       | 2015                     | <br>2013                  | <br>Julie 2015                       |
| 32       | PURPA Purchased Power Capacity Costs                               | WP 11                            | \$<br>4,340,213            | \$<br>6,895,799            | \$<br>7,360,415          | \$<br>7,026,331           | \$<br>95,808,749                     |
| 33       | Firm Natural Gas Transportation and Storage Costs                  | WP 11                            | 11,128,452                 | 13,289,963                 | 11,592,740               | 12,570,091                | 176,639,265                          |
| 34       | Total Capacity Related Costs                                       | Line 32 + Line 33                | \$<br>15,468,664           | \$<br>20,185,762           | \$<br>18,953,155         | \$<br>19,596,421          | \$<br>272,448,014                    |
| 35       | Projected Total System kWh Sales                                   | WP8                              | 4,552,981,616              | 4,482,512,031              | 4,446,396,083            | 5,204,419,092             | 81,355,454,312                       |
| 36       | Capacity Related System Costs Incurred (¢/kWh)                     | Line 34 / Line 35 * 100          | 0.340                      | 0.450                      | 0.426                    | 0.377                     |                                      |
| 37       | Projected SC Retail Sales kWh                                      | WP8                              | 416,088,164                | 510,686,159                | 491,046,715              | 541,036,670               | 8,368,739,314                        |
| 38       | SC Capacity Related Costs Incurred                                 | Line 36 * Line 37 / 100          | \$<br>1,413,651            | \$<br>2,299,735            | \$<br>2,093,130          | \$<br>2,037,188           | \$<br>28,074,799                     |
| 39       | SC Residential Capacity Related Costs Allocated by Firm CP         | Line 38 * Line 1                 | \$<br>861,019              | \$<br>1,400,711            | \$<br>1,274,873          | \$<br>1,240,800           | \$<br>16,795,080                     |
| 40       | Projected SC Residential kWh Sales                                 | WP8a                             | 150,838,802                | 161,472,415                | 138,607,950              | 171,939,263               | 2,724,100,457                        |
| 41       | SC Residential Capacity Related Cost Incurred (¢/kWh)              | Line 39 / Line 40 * 100          | 0.571                      | 0.867                      | 0.920                    | 0.722                     |                                      |
| 42       | SC Residential Non-Fuel Base Rates Billed (¢/kWh)                  | 2018-1-E                         | 0.676                      | 0.676                      | 0.676                    | 0.676                     |                                      |
| 43       | SC Capacity Related (Over) / Under Recovery                        | (Line 41 - Line 42)*Line 40 /100 | \$<br>(158,950)            | \$<br>309,157              | \$<br>337,883            | \$<br>78,491              | \$<br>(143,891)                      |
|          | Adjusted Cumulative SC Residential Capacity Related (Over) / Under |                                  |                            |                            |                          |                           |                                      |
| 44       | Recovery   | Prior Month Cum. Bal + Line 43   | \$<br>202,811              | \$<br>511,968              | \$<br>849,851            | \$<br>928,342             | 928,342                              |
| 45       | Adjustment(s)  |                                  |                            |                            |                          |                           | <br>-                                |
|          | Adjusted Cumulative SC Residential Capacity Related (Over) / Under |                                  |                            |                            |                          |                           |                                      |
| 46       | Recovery   | Line 44 + Line 45                |                            |                            |                          |                           | \$<br>928,342                        |
| 47       | SC Projected Residential kWh Sales July 2019 - June 2020           | WP8a                             |                            |                            |                          |                           | 2,301,521,005                        |
|          | SC Projected Residential Capacity Related Increment / (Decrement)  |                                  |                            |                            |                          |                           |                                      |
| 48       | Calculated Rate (¢/kWh)  | (Line 46 / Line 47 * 100)        |                            |                            |                          |                           | 0.040                                |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE ED COSTS (OVER) / UNDER RECOVERY - GENERAL

CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)

ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs General Service (non-demand) 6.37% 5.46%

|          |   |                                  |    | Actual        | Actual        | Actual        | Actual        | Actual        | Actual        |
|----------|---|----------------------------------|----|---------------|---------------|---------------|---------------|---------------|---------------|
|          |   |                                  |    | March         | April         | May           | June          | July          | August        |
| Line No. | Description   | Reference                        |    | 2018          | 2018          | 2018          | 2018          | 2018          | 2018          |
|          |   |                                  |    |               |               |               |               |               |               |
| 3        | PURPA Purchased Power Capacity Costs  | Monthly Fuel Filing              | \$ | 3,501,027 \$  | 5,769,066 \$  | 5,660,960 \$  | 9,096,212 \$  | 9,511,571 \$  | 9,360,396     |
| 4        | Firm Natural Gas Transportation and Storage Costs                                   | Monthly Fuel Filing              |    | 11,019,595    | 10,681,190    | 10,961,570    | 10,765,277    | 10,589,252    | 10,930,096    |
| 5        | Total Capacity Related Costs  | Lines 3 + Line 4                 | \$ | 14,520,622 \$ | 16,450,256 \$ | 16,622,530 \$ | 19,861,489 \$ | 20,100,823 \$ | 20,290,492    |
| 6        | Total System kWh Sales  | Monthly Fuel Filings             |    | 4,653,962,859 | 4,494,045,504 | 4,644,699,960 | 5,677,792,552 | 6,164,634,934 | 6,200,477,072 |
| 7        | Capacity Related System Costs Incurred (¢/kWh)                                      | Line 5 / Line 6 * 100            |    | 0.312         | 0.366         | 0.358         | 0.350         | 0.326         | 0.327         |
| 8        | SC Retail Sales kWh   | Monthly Fuel Filings             |    | 411,013,563   | 533,237,463   | 461,633,361   | 523,124,836   | 658,136,492   | 621,746,700   |
| 9        | SC Capacity Related Costs Incurred  | Line 7 * Line 8 / 100            | \$ | 1,282,385 \$  | 1,951,892 \$  | 1,652,101 \$  | 1,829,943 \$  | 2,145,964 \$  | 2,034,609     |
| 10       | SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP          | Line 9 * Line 2                  | \$ | 70,030 \$     | 106,591 \$    | 90,219 \$     | 99,931 \$     | 117,189 \$    | 111,108       |
| 11       | SC General Service (non-demand) kWh Sales   | Monthly Fuel Filing              |    | 18,983,274    | 19,396,612    | 19,878,431    | 27,515,526    | 30,997,729    | 31,253,114    |
| 12       | SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)              | Line 10 / Line 11 * 100          |    | 0.369         | 0.550         | 0.454         | 0.363         | 0.378         | 0.356         |
| 13       | SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)                  | 2017-1-E, 2018-1-E               |    | 0.371         | 0.371         | 0.371         | 0.371         | 0.396         | 0.424         |
| 14       | SC Capacity Related (Over) / Under Recovery   | (Line 12 - Line 13)*Line 11 /100 | \$ | (398) \$      | 34,630 \$     | 16,470 \$     | (2,152) \$    | (5,454) \$    | (21,437)      |
| 15       | Prior Year Balance  | 2018-1-E                         | Ś  | (34,323)      |               |               |               |               |               |
|          | Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under |                                  | ,  | (= 1/0 = 0/   |               |               |               |               |               |
| 16       | Recovery  | Prior Month Cum. Bal + Line 14   | \$ | (34,721) \$   | (91) \$       | 16,379 \$     | 14,227 \$     | 8,773 \$      | (12,664)      |

| Line No.  | Description   | Reference                        |    | Actual<br>September<br>2018 | Actual<br>October<br>2018 | Actual<br>November<br>2018              | Actual<br>December<br>2018              | Actual<br>January<br>2019 | •             | Twelve Months Ended Feb 2019 |
|-----------|---|----------------------------------|----|-----------------------------|---------------------------|---|---|---------------------------|---------------|------------------------------|
| Line 140. | Description   | Reference                        |    | 2010                        | 2010                      | 2010                                    | 2010                                    | 2015                      | 2015          | Ended 1 CD 2013              |
| 17        | PURPA Purchased Power Capacity Costs  | Monthly Fuel Filing              | \$ | 9,533,487 \$                | 2,509,771 \$              | 3,787,242 \$                            | 2,047,397 \$                            | 4,233,736 \$              | 5,175,127 \$  | 70,185,992                   |
| 18        | Firm Natural Gas Transportation and Storage Costs   | Monthly Fuel Filing              |    | 10,231,278                  | 9,779,505                 | 11,410,673                              | 11,126,924                              | 10,513,351                | 10,049,308    | 128,058,019                  |
| 19        | Total Capacity Related Costs  | Line 17 + Line 18                | \$ | 19,764,765 \$               | 12,289,276 \$             | 15,197,915 \$                           | 13,174,321 \$                           | 14,747,087 \$             | 15,224,435 \$ | 198,244,011                  |
| 20        | Total System kWh Sales  | Monthly Fuel Filings             |    | 5,427,393,740               | 5,150,522,556             | 4,723,872,382                           | 4,828,127,846                           | 5,615,989,658             | 5,087,626,427 | 62,669,145,490               |
| 21        | Capacity Related System Costs Incurred (¢/kWh)  | Line 19 / Line 20 * 100          |    | 0.364                       | 0.239                     | 0.322                                   | 0.273                                   | 0.263                     | 0.299         |                              |
| 22        | SC Retail Sales kWh   | Monthly Fuel Filings             |    | 511,359,659                 | 578,449,399               | 505,054,037                             | 445,338,979                             | 605,279,111               | 555,508,005   | 6,409,881,605                |
| 23        | SC Capacity Related Costs Incurred  | Line 21 * Line 22 / 100          | \$ | 1,862,202 \$                | 1,380,195 \$              | 1,624,889 \$                            | 1,215,179 \$                            | 1,589,409 \$              | 1,662,326 \$  | 20,231,095                   |
| 24        | SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP  | Line 23 * Line 2 or (Line 1)     | \$ | 101,693 \$                  | 75,371 \$                 | 88,733 \$                               | 66,360 \$                               | 101,173 \$                | 105,814 \$    | 1,134,212                    |
| 25        | SC General Service (non-demand) kWh Sales   | Monthly Fuel Filing              |    | 29,398,859                  | 25,905,784                | 43,187,370                              | 1,109,696                               | 24,675,505                | 25,191,572    | 297,493,472                  |
| 26        | SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)  | Line 24 / Line 25 * 100          |    | 0.346                       | 0.291                     | 0.205                                   | 5.980                                   | 0.410                     | 0.420         | 0.381                        |
| 27        | SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)  | 2018-1-E                         |    | 0.426                       | 0.426                     | 0.426                                   | 0.426                                   | 0.426                     | 0.426         |                              |
| 28        | SC Capacity Related (Over) / Under Recovery Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under | (Line 26 - Line 27)*Line 25 /100 | \$ | (23,546) \$                 | (34,886) \$               | (95,245) \$                             | 61,633 \$                               | (3,835) \$                | (1,502) \$    | (75,722)                     |
| 29        | Recovery  | Prior Month Cum. Bal + Line 28   | Ś  | (36,210) \$                 | (71,096) \$               | (166,341) \$                            | (104,708) \$                            | (108,543) \$              | (110,045)     | (110,045)                    |
| 30        | Adjustment(s)   |                                  | ,  | (// +                       | ( -,, +                   | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,,, +                     | , 10,010,     | -                            |
|           | Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under   |                                  |    |                             |                           |   |   |                           |               |                              |
| 31        | Recovery  | Line 29 + Line 30                |    |                             |                           |   |   |                           | \$            | (110,045)                    |
|           |   |                                  |    |                             |                           |   |   |                           |               |                              |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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 Line No.
 General Service (non-demand)

 1
 Winter 2018 Firm Coincident Peak (CP) kWs
 6.37%

 2
 Winter 2017 Firm Coincident Peak (CP) kWs
 5.46%

| line No  | Develoption  | Deference                        | Estimated<br>March | Estimated<br>April | Estimated<br>May | Estimated<br>June | Sixteen Months<br>Ended |
|----------|--|----------------------------------|--------------------|--------------------|------------------|-------------------|-------------------------|
| Line No. | Description  | Reference                        | 2019               | 2019               | 2019             | <br>2019          | <br>June 2019           |
| 32       | PURPA Purchased Power Capacity Costs   | WP 11                            | \$<br>4,340,213    | \$<br>6,895,799    | \$<br>7,360,415  | \$<br>7,026,331   | \$<br>95,808,749        |
| 33       | Firm Natural Gas Transportation and Storage Costs  | WP 11                            | <br>11,128,452     | 13,289,963         | <br>11,592,740   | <br>12,570,091    | <br>176,639,265         |
| 34       | Total Capacity Related Costs   | Line 32 + Line 33                | \$<br>15,468,664   | \$<br>20,185,762   | \$<br>18,953,155 | \$<br>19,596,421  | \$<br>272,448,014       |
| 35       | Total Projected System kWh Sales   | WP8                              | 4,552,981,616      | 4,482,512,031      | 4,446,396,083    | 5,204,419,092     | 81,355,454,312          |
| 36       | Capacity Related System Costs Incurred (¢/kWh)   | Line 34 / Line 35 * 100          | 0.340              | 0.450              | 0.426            | 0.377             |                         |
| 37       | Projected SC Retail Sales kWh  | WP8                              | 416,088,164        | 510,686,159        | 491,046,715      | 541,036,670       | 8,368,739,314           |
| 38       | SC Capacity Related Costs Incurred   | Line 36 * Line 37 / 100          | \$<br>1,413,651    | \$<br>2,299,735    | \$<br>2,093,130  | \$<br>2,037,188   | \$<br>28,074,799        |
| 39       | SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP   | Line 38 * Line 1                 | \$<br>89,985       | \$<br>146,388      | \$<br>133,237    | \$<br>129,676     | \$<br>1,633,497         |
| 40       | Projected SC General Service (non-demand) kWh Sales  | WP8a                             | 18,802,778         | 23,902,363         | 24,173,210       | 25,241,053        | 389,612,876             |
| 41       | SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)   | Line 39 / Line 40 * 100          | 0.479              | 0.612              | 0.551            | 0.514             |                         |
| 42       | SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)   | 2018-1-E                         | 0.426              | 0.426              | 0.426            | 0.426             |                         |
| 43       | SC Capacity Related (Over) / Under Recovery Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under                              | (Line 41 - Line 42)*Line 40 /100 | \$<br>9,884        | \$<br>44,564       | \$<br>30,259     | \$<br>22,149      | \$<br>31,134            |
| 44       | Recovery   | Prior Month Cum. Bal + Line 43   | \$<br>(100,161)    | \$<br>(55,597)     | \$<br>(25,338)   | \$<br>(3,189)     | (3,189)                 |
| 45       | Adjustment(s)  |                                  |                    |                    |                  |                   | -                       |
|          | Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under  |                                  |                    |                    |                  | •                 |                         |
| 46       | Recovery   | Line 44 + Line 45                |                    |                    |                  |                   | \$<br>(3,189)           |
| 47       | SC Projected General Service (non-demand) kWh Sales July 2019 - June 2020 SC Projected General Service (non-demand) Capacity Related Increment / (Decrement) | WP8a                             |                    |                    |                  |                   | 299,773,076             |
| 48       | Calculated Rate (c/kWh)  | (Line 46 / Line 47 * 100)        |                    |                    |                  |                   | (0.001)                 |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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Line No.

Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs General Service (demand) 32.73% 35.43%

| 2        | Willter 2017 Fifth Confidence Feak (CF) KW3  | 33.43/6                          |    |                 |               |               |               |               |               |                |
|----------|--|----------------------------------|----|-----------------|---------------|---------------|---------------|---------------|---------------|----------------|
|          |  |                                  |    | Actual          | Actual        | Actual        | Actual        | Actual        | Actual        |                |
|          |  |                                  |    | March           | April         | May           | June          | July          | August        |                |
| Line No. | Description  | Reference                        |    | 2018            | 2018          | 2018          | 2018          | 2018          | 2018          |                |
| 3        | PURPA Purchased Power Capacity Costs   | Monthly Fuel Filing              | Ś  | 3,501,027 \$    | 5,769,066 \$  | 5,660,960 \$  | 9,096,212 \$  | 9,511,571 \$  | 9.360.396     |                |
| 4        | Firm Natural Gas Transportation and Storage Costs  | Monthly Fuel Filing              | Ý  | 11,019,595      | 10,681,190    | 10,961,570    | 10,765,277    | 10,589,252    | 10,930,096    |                |
| 5        | Total Capacity Related Costs   | Lines 3 + Line 4                 | \$ | 14,520,622 \$   | 16,450,256 \$ | 16,622,530 \$ | 19,861,489 \$ | 20,100,823 \$ | 20,290,492    |                |
| 6        | Total System kWh Sales   | Monthly Fuel Filings             |    | 4,653,962,859   | 4,494,045,504 | 4,644,699,960 | 5,677,792,552 | 6,164,634,934 | 6,200,477,072 |                |
| 7        | Capacity Related System Costs Incurred (¢/kWh)   | Line 5 / Line 6 * 100            |    | 0.312           | 0.366         | 0.358         | 0.350         | 0.326         | 0.327         |                |
| 8        | SC Retail Sales kWh  | Monthly Fuel Filings             |    | 411,013,563     | 533,237,463   | 461,633,361   | 523,124,836   | 658,136,492   | 621,746,700   |                |
| 9        | SC Capacity Related Costs Incurred   | Line 7 * Line 8 / 100            | \$ | 1,282,385.09 \$ | 1,951,892 \$  | 1,652,101 \$  | 1,829,943 \$  | 2,145,964 \$  | 2,034,609     |                |
| 10       | SC General Service (demand) Capacity Related Cost Allocated by Firm CP   | Line 9 * Line 2                  | \$ | 454,290 \$      | 691,466 \$    | 585,264 \$    | 648,265 \$    | 760,217 \$    | 720,769       |                |
| 11       | SC General Service (demand) kW Sales   | Monthly Fuel Filing              |    | 657,929         | 666,086       | 652,200       | 669,014       | 703,175       | 805,885       |                |
| 12       | SC General Service (demand) Capacity Related Costs Incurred (¢/kW)   | Line 10 / Line 11 * 100          |    | 69              | 104           | 90            | 97            | 108           | 89            |                |
| 13       | SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)  | 2017-1-E, 2018-1-E               |    | 96              | 96            | 96            | 96            | 93            | 84            |                |
| 14       | SC General Service (demand) Capacity Related Costs (Over) / Under Recovery   | (Line 12 - Line 13)*Line 11 /100 | \$ | (177,328) \$    | 52,027 \$     | (40,847) \$   | 5,910 \$      | 108,039 \$    | 47,571        |                |
| 15       | Prior Year Balance   | 2018-1-E                         | \$ | 584,157         |               |               |               |               |               |                |
|          | Adjusted Cumulative SC General Service (demand) Capacity Related (Over) / Under  |                                  |    |                 |               |               |               |               |               |                |
| 16       | Recovery   | Prior Month Cum. Bal + Line 14   | \$ | 406,829 \$      | 458,856 \$    | 418,009 \$    | 423,919 \$    | 531,958 \$    | 579,529       |                |
|          |  |                                  |    | Actual          | Actual        | Actual        | Actual        | Actual        | Actual        | Review Period  |
|          |  |                                  |    | September       | October       | November      | December      | January       | February      | Twelve Months  |
| Line No. | Description  | Reference                        |    | 2018            | 2018          | 2018          | 2018          | 2019          | 2019          | Ended Feb 2019 |
| 17       | PURPA Purchased Power Capacity Costs   | Monthly Fuel Filing              | \$ | 9,533,487 \$    | 2,509,771 \$  | 3,787,242 \$  | 2,047,397 \$  | 4,233,736 \$  | 5,175,127 \$  | 70,185,992     |
| 18       | Firm Natural Gas Transportation and Storage Costs  | Monthly Fuel Filing              |    | 10,231,278      | 9,779,505     | 11,410,673    | 11,126,924    | 10,513,351    | 10,049,308    | 128,058,019    |
| 19       | Total Capacity Related Costs   | Line 17 + Line 18                | \$ | 19,764,765 \$   | 12,289,276 \$ | 15,197,915 \$ | 13,174,321 \$ | 14,747,087 \$ | 15,224,435 \$ | 198,244,011    |
| 20       | Total System kWh Sales   | Monthly Fuel Filings             |    | 5,427,393,740   | 5,150,522,556 | 4,723,872,382 | 4,828,127,846 | 5,615,989,658 | 5,087,626,427 | 62,669,145,490 |
| 21       | Capacity Related System Costs Incurred (¢/kWh)   | Line 19 / Line 20 * 100          |    | 0.364           | 0.239         | 0.322         | 0.273         | 0.263         | 0.299         |                |
| 22       | SC Retail Sales kWh  | Monthly Fuel Filings             |    | 511,359,659     | 578,449,399   | 505,054,037   | 445,338,979   | 605,279,111   | 555,508,005   | 6,409,881,60   |
| 23       | SC Capacity Related Costs Incurred   | Line 21 * Line 22 / 100          | \$ | 1,862,202 \$    | 1,380,195 \$  | 1,624,889 \$  | 1,215,179 \$  | 1,589,409 \$  | 1,662,326 \$  | 20,231,094     |
| 24       | SC General Service (demand) Capacity Related Cost Allocated by Firm CP   | Line 23 * Line 2 or (Line 1)     | \$ | 659,693 \$      | 488,940 \$    | 575,624 \$    | 430,482 \$    | 520,167 \$    | 544,031 \$    | 7,079,207      |
| 25       | SC General Service (demand) kW Sales   | Monthly Fuel Filing              |    | 885,000         | 704,900       | 647,300       | 621,700       | 409,400       | 671,000       | 8,093,589      |
| 26       | SC General Service (demand) Capacity Related Costs Incurred (¢/kW)   | Line 24 / Line 25 * 100          |    | 75              | 69            | 89            | 69            | 127           | 81            |                |
| 27       | SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)  | 2018-1-E                         |    | 89              | 88            | 89            | 88            | 88            | 88            |                |
| 28       | SC General Service (demand) Capacity Related Costs (Over) / Under Recovery Adjusted Cumulative SC General Service (demand) Capacity Related (Over) / Under | (Line 26 - Line 27)*Line 25 /100 | \$ | (124,855) \$    | (131,300) \$  | 2,695 \$      | (116,635) \$  | 159,866 \$    | (46,087) \$   | (260,944       |
|          | ,,,,,,,,,,,,,,,,   |                                  |    |                 |               |               |               |               |               |                |
| 29       | Recovery   | Prior Month Cum. Bal + Line 28   | \$ | 454,674 \$      | 323,374 \$    | 326,069 \$    | 209,434 \$    | 369,300 \$    | 323,213       | 323,213        |
| 29<br>30 |  | Prior Month Cum. Bal + Line 28   | \$ | 454,674 \$      | 323,374 \$    | 326,069 \$    | 209,434 \$    | 369,300 \$    | 323,213       | 323,213        |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

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| Line No. |   | General Service (demand) |
|----------|---|--------------------------|
| 1        | Winter 2018 Firm Coincident Peak (CP) kWs | 32.73%                   |
| 2        | Winter 2017 Firm Coincident Peak (CP) kWs | 35.43%                   |

| Line No. | Description  | Reference                        | Estimated<br>March<br>2019 | Estimated<br>April<br>2019 | Estimated<br>May<br>2019 | Estimated<br>June<br>2019 | Sixteen Months Ended June 2019 |
|----------|--|----------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|--------------------------------|
|          | ·  |                                  |                            |                            |                          |                           |                                |
| 32       | PURPA Purchased Power Capacity Costs   | WP 11                            | \$<br>4,340,213 \$         | 6,895,799 \$               | 7,360,415                | \$ 7,026,331              | \$ 95,808,749                  |
| 33       | Firm Natural Gas Transportation and Storage Costs  | WP 11                            | <br>11,128,452             | 13,289,963                 | 11,592,740               | 12,570,091                | 176,639,265                    |
| 34       | Total Capacity Related Costs   | Line 32 + Line 33                | \$<br>15,468,664 \$        | 20,185,762 \$              | 18,953,155               | \$ 19,596,421             | \$ 272,448,014                 |
| 35       | Total Projected System kWh Sales   | WP8                              | 4,552,981,616              | 4,482,512,031              | 4,446,396,083            | 5,204,419,092             | 81,355,454,312 •               |
| 36       | Capacity Related System Costs Incurred (¢/kWh)   | Line 34 / Line 35 * 100          | 0.340                      | 0.450                      | 0.426                    | 0.377                     | (                              |
| 37       | Projected SC Retail Sales kWh  | WP8                              | 416,088,164                | 510,686,159                | 491,046,715              | 541,036,670               | 8,368,739,314 <b>(</b>         |
| 38       | SC Capacity Related Costs Incurred   | Line 36 * Line 37 / 100          | \$<br>1,413,651 \$         | 2,299,735 \$               | 2,093,130                | \$ 2,037,188              | \$ 28,074,799 <b>-</b>         |
| 39       | SC General Service (demand) Capacity Related Cost Allocated by Firm CP   | Line 38 * Line 1                 | \$<br>462,647 \$           | 752,636 \$                 | 685,021                  | \$ 666,713                | \$ 9,646,224                   |
| 40       | Projected SC General Service (demand) kW Sales   | WP8a                             | 645,500                    | 696,605                    | 771,394                  | 824,008                   | 11,031,096                     |
| 41       | SC General Service (demand) Capacity Related Costs Incurred (¢/kW)   | Line 39 / Line 40 * 100          | 72                         | 108                        | 89                       | 81                        | (                              |
| 42       | SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)  | 2018-1-E                         | 88                         | 88                         | 88                       | 88                        | (                              |
| 43       | SC General Service (demand) Capacity Related Costs (Over) / Under Recovery Adjusted Cumulative SC General Service (demand) Capacity Related (Over) / Under | (Line 41 - Line 42)*Line 40 /100 | \$<br>(105,411) \$         | 139,624 \$                 | 6,194                    | \$ (58,414)               | \$ (278,951)                   |
| 44       | Recovery   | Prior Month Cum. Bal + Line 43   | \$<br>217,802 \$           | 357,426 \$                 | 363,620                  | \$ 305,206                | \$ 305,206                     |
| 45       | Adjustment(s)  |                                  |                            |                            |                          |                           | -                              |
|          | Adjusted Cumulative SC General Service (demand) Capacity Related Costs (Over) /  |                                  |                            |                            |                          | =                         |                                |
| 46       | Under Recovery   | Line 44 + Line 45                |                            |                            |                          |                           | \$ 305,206                     |
| 47       | SC Projected General Service (demand) kW Sales July 2019 - June 2020<br>SC General Service (demand) Environmental Capacity Related Increment /             | WP8a                             |                            |                            |                          |                           | 9,063,849                      |
| 48       | (Decrement) Calculated Rate (¢/kW)   | (Line 46 / Line 47 * 100)        |                            |                            |                          |                           | 3 1                            |

9,063,849

89

**Harrington Exhibit 8** 

Docket No. 2019-1-E

DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED CAPACITY RELATED COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

|        | 2010 | F:   |
|--------|------|------|
| Vinter | ZUID | FILL |

Line 22 / Line 33 \* 100

Projected SC KW Sales (General Service demand)

34

¢/kW

General Service Demand charge for Capacity Related Costs

|          |   | Winter 2018 Firm         |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|----------|---|--------------------------|----|---------------|---|---------------|----|---------------|---------------|----|---------------|----|------------------------|----|----------------|
| Line No. | Class   | Coincident Peak (CP) KWs |    | CP %          |   |               |    |               |               |    |               |    |                        |    |                |
| 1        | Residential   | 777,822                  |    | 60.91%        |   |               |    |               |               |    |               |    |                        |    |                |
| 2        | General Service (non-demand)                        | 81,290                   |    | 6.37%         |   |               |    |               |               |    |               |    |                        |    |                |
| 3        | General Service (demand)                            | 417,943                  |    | 32.73%        |   |               |    |               |               |    |               |    |                        |    |                |
| 4        | Lighting  | 0                        |    | 0.00%         |   |               |    |               |               |    |               |    |                        |    |                |
| 5        | Total SC  | 1,277,055                |    | 100.00%       |   |               |    |               |               |    |               |    |                        |    |                |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|          |   |                          |    | July          |   | August        |    | September     | October       |    | November      |    | December               |    |                |
| Line No. | Description   | Reference                |    | 2019          |   | 2019          |    | 2019          | 2019          |    | 2019          |    | 2019                   |    |                |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
| 6        | PURPA Purchased Power Capacity Costs                | WP 11                    | \$ | 7,019,425     | 5 | 7,039,482     | \$ | 6,319,877 \$  | 6,113,809     | \$ | 5,391,156     | \$ | 5,198,877              |    |                |
| 7        | Firm Natural Gas Transportation and Storage Costs   | WP 11                    | Ψ. | 12,505,745    |   | 12,533,366    | Ψ. | 12,494,887    | 12,772,631    | ~  | 13,204,814    | Ψ. | 12,442,182             |    |                |
| 8        | Total Capacity Related Costs                        | Line 6 + Line 7          | Ś  | 19,525,170    |   | 19,572,848    | ¢  | 18,814,763 \$ |               | \$ | 18,595,970    | Ś  | 17,641,060             |    |                |
| 0        | Total Capacity Nelated Costs                        | Line of Line 7           | Ļ  | 13,323,170 ,  | , | 13,372,040    | Ļ  | 10,014,703 \$ | 10,000,440    | ۲  | 10,555,570    | Ţ  | 17,041,000             |    |                |
| 9        | Total Projected System Sales kWh (w/ solar)         | WP8                      |    | 5,953,609,386 |   | 6,010,985,735 |    | 5,482,284,590 | 4,671,693,496 |    | 4,595,842,719 |    | E 172 620 720          |    |                |
| 10       |   | Line 8 / Line 9 *100     |    | 0.328         |   | 0.326         |    | 0.343         | 0.404         |    | 0.405         |    | 5,172,638,730<br>0.341 |    |                |
|          | Capacity Related System Costs Incurred (¢/Kwh)      | •                        |    |               |   |               |    |               |               |    |               |    |                        |    |                |
| 11       | Projected SC Retail Sales                           | WP8                      | _  | 615,370,381   |   | 630,455,795   | _  | 602,829,492   | 524,692,648   | _  | 500,969,344   | _  | 552,701,752            |    |                |
| 12       | SC Purchased Power Capacity Costs                   | Line 10 * Line 11 /100   | \$ | 2,018,139     | > | 2,052,877     | \$ | 2,068,863 \$  | 2,121,196     | Ş  | 2,027,052     | Ş  | 1,884,965              |    |                |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    | Billing Period |
|          |   |                          |    | January       |   | February      |    | March         | April         |    | May           |    | June                   |    | welve Months   |
| Line No. | Description   | Reference                |    | 2020          |   | 2020          |    | 2020          | 2020          |    | 2020          |    | 2020                   | Er | nded June 2020 |
|          |   |                          | _  |               |   |               | _  |               |               | _  |               | _  |                        | _  |                |
| 13       | PURPA Purchased Power Capacity Costs                | WP 11                    | \$ | 5,668,143     | > | 5,649,634     | \$ | 6,865,836 \$  | 7,138,992     | Ş  | 7,756,554     | Ş  | 7,371,349              | \$ | 77,533,133     |
| 14       | Firm Natural Gas Transportation and Storage Costs   | WP 11                    |    | 11,945,915    |   | 11,916,756    |    | 12,815,891    | 12,433,847    |    | 11,556,092    |    | 12,160,411             |    | 148,782,538    |
| 15       | Total Capacity Related Costs                        | Line 13 + Line 14        | \$ | 17,614,058    | 5 | 17,566,391    | \$ | 19,681,727 \$ | 19,572,840    | \$ | 19,312,645    | \$ | 19,531,760             | \$ | 226,315,671    |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
| 16       | Total Projected System Sales kWh (w/ solar)         | WP8                      |    | 5,679,535,820 |   | 5,466,072,140 |    | 5,022,976,178 | 4,423,919,449 |    | 4,396,701,438 |    | 5,136,235,584          |    | 62,012,495,267 |
| 17       | Capacity Related System Costs Incurred (¢/Kwh)      | Line 15 / Line 16 *100   |    | 0.310         |   | 0.321         |    | 0.392         | 0.442         |    | 0.439         |    | 0.380                  |    |                |
| 18       | Projected SC Retail Sales                           | WP8                      |    | 605,095,272   |   | 594,590,939   |    | 555,942,153   | 512,389,178   |    | 493,993,336   |    | 541,309,853            |    | 6,730,340,143  |
| 19       | SC Purchased Power Capacity Costs                   | Line 17 * Line 18 /100   | \$ | 1,876,594     | 5 | 1,910,845     | \$ | 2,178,370 \$  | 2,266,974     | \$ | 2,169,881     | \$ | 2,058,460              | \$ | 24,634,216     |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|          | SC Capacity Related Costs Allocated on Firm CP kWs  |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
| 20       | Residential   | Total Line 19 * Line 1   |    |               |   |               |    |               |               |    |               |    |                        | \$ | 15,004,080     |
| 21       | General Service (non-demand)                        | Total Line 19 * Line 2   |    |               |   |               |    |               |               |    |               |    |                        |    | 1,568,073      |
| 22       | General Service (demand)                            | Total Line 19 * Line 3   |    |               |   |               |    |               |               |    |               |    |                        |    | 8,062,063      |
| 23       | Lighting  | Total Line 19 * Line 4   |    |               |   |               |    |               |               |    |               |    | _                      |    | -              |
| 24       | Total SC  | Sum Lines 20 through 23  |    |               |   |               |    |               |               |    |               |    |                        | \$ | 24,634,216     |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|          | Projected SC Retail Sales kWh (July 2019-June 2020) |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
| 25       | Residential   | WP8a                     |    |               |   |               |    |               |               |    |               |    |                        |    | 2,301,521,005  |
| 26       | General Service (non-demand)                        | WP8a                     |    |               |   |               |    |               |               |    |               |    |                        |    | 299,773,076    |
| 27       | General Service (demand)                            | WP8a                     |    |               |   |               |    |               |               |    |               |    |                        |    | 4,032,970,877  |
| 28       | Lighting  | WP8a                     |    |               |   |               |    |               |               |    |               |    | =                      |    | 96,075,184     |
| 29       | Total SC  | Sum Lines 25 through 28  |    |               |   |               |    |               |               |    |               |    | _                      |    | 6,730,340,143  |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
|          | SC Capacity Related Costs ¢/kWh                     |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |
| 30       | Residential   | Line 20 / Line 25 * 100  |    |               |   |               |    |               |               |    |               |    |                        |    | 0.652          |
| 31       | General Service (non-demand)                        | Line 21 / Line 26 * 100  |    |               |   |               |    |               |               |    |               |    |                        |    | 0.523          |
| 32       | Lighting  | Line 23 / Line 28 * 100  |    |               |   |               |    |               |               |    |               |    |                        |    | 0.000          |
|          |   |                          |    |               |   |               |    |               |               |    |               |    |                        |    |                |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

\$

Line 26 + Line 27

28

Recovery

Actual

Actual

Actual

(363,223) \$

(452,317) \$

(251,280) \$

(85,611) \$

6,239 \$

6,239

Actual

Actual

Actual

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| Line No. | Description   | Reference                            |    | March<br>2018         | April<br>2018         | May<br>2018           | June<br>2018          | July<br>2018      | August<br>2018     |                                |
|----------|---|--------------------------------------|----|-----------------------|-----------------------|-----------------------|-----------------------|-------------------|--------------------|--------------------------------|
|          | DERP Incremental Costs                                      |                                      |    |                       |                       |                       |                       |                   |                    |                                |
| 1        | Purchased Power Agreements                                  | Monthly Fuel Filing                  | \$ | - \$                  | - \$                  | - \$                  | - \$                  | - \$              | -                  |                                |
| 2        | DER NEM Incentive   | Monthly Fuel Filing                  |    | 24,186                | 22,698                | 29,771                | 91,945                | 48,033            | 53,650             |                                |
| 3        | Solar Rebate Program - Amortization                         | Monthly Fuel Filing                  |    | 50,020                | 57,739                | 62,207                | 67,717                | 74,720            | 75,168             |                                |
| 4        | Solar Rebate Program - Carrying Costs                       | Monthly Fuel Filing                  |    | 48,869                | 52,675                | 58,593                | 63,354                | 69,382            | 67,150             |                                |
| 5        | Shared Solar Program  | Monthly Fuel Filing                  |    | -                     | -                     | -                     | -                     | -                 | -                  |                                |
| 5        | NEM Avoided Capacity Costs                                  | Monthly Fuel Filing                  |    | 1,307                 | 237                   | 2,228                 | 5,468                 | 1,940             | 2,351              |                                |
| 6        | NEM Meter Costs   | Monthly Fuel Filing                  |    | 3,320                 | 3,597                 | 5,323                 | 6,296                 | 9,389             | 9,691              |                                |
| 7        | General and Administrative Expenses                         | Monthly Fuel Filing                  |    | 35,802                | 26,444                | 24,650                | 25,156                | 51,552            | 27,112             |                                |
| 8        | Interest on under-collection due to cap                     | ORS AIR 1-81                         |    |                       | =                     | 27                    | 25                    | 51                | 38                 |                                |
| 9        | Total DER Incremental Costs                                 | Sum Lines 1 through 8                | \$ | 163,504 \$            | 163,390 \$            | 182,799 \$            | 259,961 \$            | 255,067 \$        | 235,160            |                                |
| 10       | Revenue Collected   | Monthly Fuel Filing                  |    | 256,291               | 256,062               | 256,432               | 255,244               | 213,306           | 174,342            |                                |
| 11       | SC DERP Incremental Costs (Over) / Under Recovery           | Line 9 - Line 10                     | \$ | (92,787) \$           | (92,672) \$           | (73,633) \$           | 4,717 \$              | 41,761 \$         | 60,818             |                                |
| 12       | (Over) / Under Cumulative Balance - February 2018           | 2018-1-E                             |    | (448,552)             |                       |                       |                       |                   |                    |                                |
| 13       | Adjustments   |                                      |    |                       |                       |                       |                       |                   |                    |                                |
|          | Cumulative SC DERP Incremental Costs (Over) / Under         | Prior Month Cumulative Balance +     |    |                       |                       |                       |                       |                   |                    |                                |
| 14       | Recovery  | Line 11 + Line 13                    | \$ | (541,339) \$          | (634,011) \$          | (707,644) \$          | (702,927) \$          | (661,166) \$      | (600,348)          |                                |
|          |   |                                      |    | Actual<br>September   | Actual<br>October     | Actual<br>November    | Actual<br>December    | Actual<br>January | Actual<br>February | Review Period<br>Twelve Months |
| Line No. | Description   | Reference                            |    | 2018                  | 2018                  | 2018                  | 2018                  | 2019              | 2019               | Ended Feb 2019                 |
|          | DEDD to account of Contra                                   |                                      |    |                       |                       |                       |                       |                   |                    |                                |
| 15       | <u>DERP Incremental Costs</u><br>Purchased Power Agreements | Monthly Fuel Filing                  | \$ | - \$                  | - \$                  | - \$                  | - \$                  | 56,557 \$         | 4,087              | \$ 60,644                      |
| 16       | DER NEM Incentive   | Monthly Fuel Filing                  | Ş  | - 3<br>58,504         | 55,356                | 62,396                | <br>66,475            | 72,360            | 76,526             | 661,901                        |
| 17       | Solar Rebate Program - Amortization                         | Monthly Fuel Filing                  |    | 75,168                | 75,168                | 77,317                | 77,317                | 77,317            | 77,317             | 847,174                        |
| 18       | Solar Rebate Program - Carrying Costs                       | Monthly Fuel Filing                  |    | 72,014                | 71,404                | 72,070                | 72,724                | 72,288            | 71,853             | 792,376                        |
| 19       | Shared Solar Program  | Monthly Fuel Filing                  |    | 72,014                | (5)                   | (147)                 | 219                   | (79)              | (250)              | (262)                          |
| 20       | NEM Avoided Capacity Costs                                  | Monthly Fuel Filing                  |    | 2,529                 | 1,797                 | 2,501                 | 2,658                 | 2,710             | 2,419              | 28,145                         |
| 21       | NEM Meter Costs   | Monthly Fuel Filing                  |    | 7,206                 | 7,376                 | 7,522                 | 7,736                 | 7,824             | 8,510              | 83,790                         |
| 22       | General and Administrative Expenses                         | Monthly Fuel Filing                  |    | 24,208                | 27,419                | 32,345                | 42,639                | 44,132            | 16,918             | 378,377                        |
| 23       | Interest on under-collection due to cap                     | ORS AIR 1-81                         |    | 50                    | 43                    | 52,545<br>55          | 42,639                | 44,132<br>37      | 33                 | 425                            |
| 23       | Total DER Incremental Costs                                 | Sum Lines 15 through 23              | \$ | 239,679 \$            | 238,558 \$            | 254,058 \$            | 269,834 \$            | 333,146 \$        | 257,413            |                                |
| 24<br>25 | Revenue Collected   | Monthly Fuel Filing                  | ş  | 239,679 \$<br>157,397 | 238,558 \$<br>172,809 | 254,058 \$<br>164,964 | 269,834 \$<br>157,891 | 167,477           | 165,563            | 2,852,570<br>2,397,778         |
| 26       | SC DERP Incremental Costs (Over) / Under Recovery           | Line 24 - Line 25                    | Ś  | 82,282 \$             | 65,749 \$             | 89,094 \$             | 111,943 \$            | 165,669 \$        | 91,850             |                                |
| 26<br>27 | Adjustments   | Lilie 24 - Lilie 23                  | Þ  | 02,282 \$             | 05,749 \$             | 89,094 \$             | 111,943 \$            | 105,009 \$        | 91,850             | ş 454,/92                      |
| 21       | Cumulative SC DERP Incremental Costs (Over) / Under         | Prior Month Cumulative Balance +     |    |                       |                       |                       |                       |                   |                    |                                |
|          | cumulative 3c DERF incremental costs (Over) / Onder         | FIIOI WIGHTH CUITINIALIVE BAIAIICE + |    |                       |                       |                       |                       |                   |                    |                                |

(518,066) \$

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

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| Line No. | Description   | Reference                        | Estimated<br>March<br>2019 | Estimated<br>April<br>2019 | Estimated<br>May<br>2019 | Jı | nated<br>Ine<br>019 | een Months<br>Ended<br>une 2019 |
|----------|---|----------------------------------|----------------------------|----------------------------|--------------------------|----|---------------------|---------------------------------|
|          | ·   |                                  |                            |                            |                          |    |                     |                                 |
|          | DERP Incremental Costs                              |                                  |                            |                            |                          |    |                     |                                 |
| 29       | Purchased Power Agreements                          | DERP Model Output                | \$<br>2,642 \$             | 5,028 \$                   | 5,028                    | \$ | 5,028               | \$<br>78,369                    |
| 30       | DER NEM Incentive                                   | DERP Model Output                | 81,081                     | 86,646                     | 90,495                   |    | 96,857              | 1,016,980                       |
| 31       | Solar Rebate Program - Amortization                 | DERP Model Output                | 77,317                     | (177,456)                  | 43,523                   |    | 44,252              | 834,810                         |
| 32       | Solar Rebate Program - Carrying Costs               | DERP Model Output                | 71,417                     | 72,521                     | 73,609                   |    | 40,674              | 1,050,597                       |
| 33       | Shared Solar Program                                | DERP Model Output                | 249                        | 10,212                     | 10,212                   |    | 10,212              | 30,624                          |
| 34       | NEM Avoided Capacity Costs                          | DERP Model Output                | 2,909                      | 3,123                      | 3,212                    |    | 3,377               | 40,766                          |
| 35       | NEM Meter Costs                                     | DERP Model Output                | 8,455                      | 9,024                      | 9,228                    |    | 9,442               | 119,938                         |
| 36       | General and Administrative Expenses                 | DERP Model Output                | 22,856                     | 29,841                     | 29,841                   |    | 29,841              | 490,756                         |
| 37       | Interest on under-collection due to cap             | Actuals Average                  | 37                         | 42                         | 42                       |    | 42                  | 588                             |
| 38       | Total DER Incremental Costs                         | Sum Lines 29 through 37          | \$<br>266,963 \$           | 38,981 \$                  | 265,190                  | \$ | 239,725             | \$<br>3,663,428                 |
| 39       | Revenue Collected                                   | WP9                              | 165,840                    | 165,454                    | 165,541                  |    | 165,629             | 3,060,242                       |
| 40       | SC DERP Incremental Costs (Over) / Under Recovery   | Line 38 - Line 39                | \$<br>101,123 \$           | (126,473) \$               | 99,649                   | \$ | 74,096              | \$<br>603,186                   |
| 41       | Adjustments   |                                  |                            |                            |                          |    |                     | -                               |
|          | Cumulative SC DERP Incremental Costs (Over) / Under | Prior Month Cumulative Balance + |                            |                            |                          |    |                     |                                 |
| 42       | Recovery  | Line 40 + Line 41                | \$<br>107,363 \$           | (19,110) \$                | 80,538                   | \$ | 154,634             | \$<br>154,634                   |

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF DERP INCREMENTAL COSTS (OVER) / UNDER RECOVERY FOR THE PERIOD MARCH 2018 - JUNE 2019

Harrington Revised Exhibit 10
Docket No. 2019-1-E

| Line No.    | <u>.                                    </u>   |  | March 2018 through<br>December 2018  | January 2019<br>through June 2019   |   |                             |
|-------------|--|--|--|---|---|-----------------------------|
| 1           | Total DERP (Over) / Under Balance  | Exhibit 9                                    | (251,280)  | 405,914   |   |                             |
|             |  |  |  | March 2018 through  | Cost Allocated per  |                             |
|             | Allocation of DERP Incremental (Over) / Under Recovery   |  | 2017   | December 2018   | Firm Peak Demand  | =                           |
| 2           | Residential  | WP8c   | 59.11%   |   | \$ (148,541)  |                             |
| 3           | Commercial (General Service demand /non-demand)  | WP8c   | 23.46%   |   | (58,948)  |                             |
| 4           | Industrial (General Service demand /non-demand)  | WP8c   | 17.43%   | (0=1,000)   | (43,791)  |                             |
| 5           | Total  |  | 100.00%  | (251,280)   | \$ (251,280)  |                             |
|             |  |  |  |   | Cost Allocated per  |                             |
|             | Allocation of DERP Incremental (Over) / Under Recovery   |  | Firm Peak Demand -<br>2018   | January 2019<br>through June 2019   | Firm Peak Demand  |                             |
| 6           | Allocation of DERP Incremental (Over) / Under Recovery<br>Residential  |  |  | •   | •   |                             |
| 6<br>7      |  |  | 2018   | •   | Firm Peak Demand  |                             |
|             | Residential  |  | <b>2018</b> 60.91%   | •   | Firm Peak Demand<br>247,233   |                             |
| 7           | Residential Commercial (General Service demand /non-demand)  |  | <b>2018</b> 60.91% 24.11%  | •   | Firm Peak Demand 247,233 97,863   |                             |
| 7           | Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand)                    |  | 2018<br>60.91%<br>24.11%<br>14.98%<br>100.00%  | through June 2019   | Firm Peak Demand 247,233 97,863 60,819                                      |                             |
| 7           | Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand)                    |  | 2018<br>60.91%<br>24.11%<br>14.98%<br>100.00%  | through June 2019<br>405,914  | Firm Peak Demand 247,233 97,863 60,819                                      | \$ per Account per          |
| 7           | Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand)                    |  | 2018<br>60.91%<br>24.11%<br>14.98%<br>100.00%  | through June 2019 405,914 Projected Number of                                       | Firm Peak Demand  247,233  97,863  60,819  405,914                          | \$ per Account per<br>Month |
| 7           | Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand)                    | Cost Line 2 + Line 6                         | 2018<br>60.91%<br>24.11%<br>14.98%<br>100.00%  | through June 2019  405,914  Projected Number of Accounts in Billing                 | Firm Peak Demand  247,233  97,863  60,819  405,914  \$ per Account per Year | Month                       |
| 7<br>8<br>9 | Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand) Total              | Cost Line 2 + Line 6<br>Cost Line 3 + Line 7 | 2018 60.91% 24.11% 14.98% 100.00%  Total Cost Allocated per Firm Peak Demand           | through June 2019  405,914  Projected Number of Accounts in Billing Period          | \$ per Account per Year \$ 0.70   | Month \$ 0.06               |
| 7<br>8<br>9 | Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand) Total  Residential |  | 2018 60.91% 24.11% 14.98% 100.00%  Total Cost Allocated per Firm Peak Demand \$ 98,692 | through June 2019  405,914  Projected Number of Accounts in Billing Period  140,028 | \$ per Account per Year \$ 0.70   | Month \$ 0.06 \$ 0.10       |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS FOR THE 12 MONTHS JULY 2019 - JUNE 2020

Harrington Revised Exhibit 11
Docket No. 2019-1-E

|          |   |                       | July             | August     | September  | October    | November   | December |
|----------|---|-----------------------|------------------|------------|------------|------------|------------|----------|
| Line No. | Description                             | Reference             | 2019             | 2019       | 2019       | 2019       | 2019       | 2019     |
|          |   |                       |                  |            |            |            |            |          |
|          | DERP Incremental Costs                  |                       |                  |            |            |            |            |          |
| 1        | Purchased Power Agreements              | DERP Model Output     | \$<br>5,016 \$   | 5,016 \$   | 5,016 \$   | 5,016 \$   | 5,016 \$   | 5,016    |
| 2        | DER NEM Incentive                       | DERP Model Output     | 105,068          | 97,577     | 90,215     | 86,821     | 70,858     | 55,199   |
| 3        | Solar Rebate Program - Amortization     | DERP Model Output     | 47,069           | 47,069     | 47,791     | 49,395     | 49,395     | 54,595   |
| 4        | Solar Rebate Program - Carrying Costs   | DERP Model Output     | 42,150           | 43,259     | 43,356     | 44,223     | 44,733     | 46,982   |
| 5        | Shared Solar Program                    | DERP Model Output     | 6,486            | 6,486      | 6,486      | 6,486      | 6,486      | 6,486    |
| 6        | NEM Avoided Capacity Costs              | DERP Model Output     | 3,351            | 3,417      | 3,498      | 3,602      | 3,659      | 3,854    |
| 7        | NEM Meter Costs                         | DERP Model Output     | 9,646            | 9,830      | 10,005     | 10,171     | 10,316     | 10,457   |
| 8        | General and Administrative Expenses     | DERP Model Output     | 41,446           | 41,446     | 41,446     | 41,446     | 41,446     | 41,446   |
| 9        | Interest on under-collection due to cap | Actuals Average       | 42               | 42         | 42         | 42         | 42         | 42       |
| 10       | Total DERP Incremental Costs            | Sum Lines 1 through 9 | \$<br>260,274 \$ | 254,142 \$ | 247,856 \$ | 247,202 \$ | 231,952 \$ | 224,077  |

| Line No. | Description                             | Reference               |    | January<br>2020 | February<br>2020 | March<br>2020 | April<br>2020 | May<br>2020 | June<br>2020 | Billing Period Twelve Months Ended June 2020 |
|----------|---|-------------------------|----|-----------------|------------------|---------------|---------------|-------------|--------------|--|
|          | DERP Incremental Costs                  |                         |    |                 |                  |               |               |             |              |  |
| 11       | Purchased Power Agreements              | DERP Model Output       | \$ | 4,991 \$        | 4,991 \$         | 4,991 \$      | 4,991 \$      | 4,991 \$    | 4,991 \$     | 60,045                                       |
| 12       | DER NEM Incentive                       | DERP Model Output       |    | 70,804          | 74,214           | 99,828        | 119,624       | 122,282     | 126,729      | 1,119,220                                    |
| 13       | Solar Rebate Program - Amortization     | DERP Model Output       |    | 54,595          | 54,595           | 54,595        | 54,595        | 54,595      | 54,595       | 622,882                                      |
| 14       | Solar Rebate Program - Carrying Costs   | DERP Model Output       |    | 49,202          | 48,909           | 48,616        | 48,322        | 48,029      | 47,736       | 555,517                                      |
| 15       | Shared Solar Program                    | DERP Model Output       |    | 6,413           | 6,413            | 6,413         | 6,413         | 6,413       | 6,413        | 77,392                                       |
| 16       | NEM Avoided Capacity Costs              | DERP Model Output       |    | 3,926           | 3,963            | 3,998         | 4,031         | 4,062       | 4,090        | 45,451                                       |
| 17       | NEM Meter Costs                         | DERP Model Output       |    | 10,589          | 10,700           | 10,802        | 10,895        | 10,977      | 11,050       | 125,439                                      |
| 18       | General and Administrative Expenses     | DERP Model Output       |    | 21,838          | 21,838           | 21,838        | 21,838        | 21,838      | 21,838       | 379,704                                      |
| 19       | Interest on under-collection due to cap | Actuals Average         |    | 42              | 42               | 42            | 42            | 42          | 42           | 504  |
| 20       | Total DERP Incremental Costs            | Sum Lines 11 through 19 | Ś  | 222,399 \$      | 225.665 \$       | 251.123 Ś     | 270.751 \$    | 273,229 \$  | 277.484 \$   | 2.986.154                                    |

Harrington Revised Exhibit 12

Docket No. 2019-1-E

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED BILLING PERIOD INCREMENTAL COST FACTORS FOR DERP COSTS FOR THE PERIOD JULY 2019 - JUNE 2020

| Line No. | -   |             | July 2019 through June<br>2020 |  |  |     |        |               |
|----------|---|-------------|--------------------------------|--|--|-----|--------|---------------|
| 1        | Total DERP Projected Incremental Costs          | Exhibit 11  | 2,986,154                      |  |  |     |        |               |
|          | Allocation of DERP Incremental Costs            |             | Firm Peak Demand -<br>2018     | July 2019 through<br>June 2020             | Cost Allocated per<br>Firm Peak Demand |     |        |               |
| 2        | Residential                                     | WP8c        | 60.91%                         |  | \$ 1,818,794                           | -   |        |               |
| 3        | Commercial (General Service demand /non-demand) | WP8c        | 24.11%                         |  | 719,940                                |     |        |               |
| 4        | Industrial (General Service demand /non-demand) | WP8c        | 14.98%                         |  | 447,420                                |     |        |               |
| 5        | Total   |             | 100.00%                        | 2,986,154                                  | \$ 2,986,154                           | =   |        |               |
|          |   |             | Total Cost Allocated           | Projected Number of<br>Accounts in Billing | \$ per Account per                     |     | \$ per | r Account per |
|          |   |             | per Firm Peak Demand           | Period                                     | Year                                   |     | 7      | Month         |
| 6        | Residential                                     | Cost Line 2 | \$ 1,818,794                   | 140,028                                    | \$ 12.99                               | [1] | \$     | 1.08          |
| 7        | Commercial (General Service demand /non-demand) | Cost Line 3 | 719,940                        | 31,323                                     | \$ 22.98                               |     | \$     | 1.92          |
| 8        | Industrial (General Service demand /non-demand) | Cost Line 4 | 447,420                        | 266  | \$ 1,682.03                            | [1] | \$     | 140.17        |
| 9        | Total   |             | \$ 2,986,154                   | 171,617                                    | <del>-</del>                           |     |        |               |

#### Note:

[1] Residential and Industrial annual charge per-account will be capped not to exceed \$12 and \$1,200, respectively, including gross receipts taxes.

#### **DUKE ENERGY PROGRESS, LLC** SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Line 26 \* Line 1

2018-1-E

Monthly Fuel Filing

Line 27 / Line 28 \* 100

(Line 29 - Line 30)\*Line 28 /100

Prior Month Cumulative Balance + Line

27

28

29

30

31

32

SC Residential DER Avoided Costs Allocated by Firm CP

SC Residential DERP Avoided Cost (¢/kWh)

SC DERP Avoided Costs (Over) / Under Recovery

Adjusted Cumulative SC Residential DERP Avoided Costs (Over) /

SC Residential Rate Billed (¢/kWh)

SC Residential kWh Sales

Adjustment(s)

Under Recovery

円

|          |  | Winter 2017 Firm<br>Coincident Peak   |    | Coi               | Vinter 2018 Firm<br>Incident Peak (CP) |                  |                  |                 |                  |                                 |
|----------|--|---------------------------------------|----|-------------------|--|------------------|------------------|-----------------|------------------|---------------------------------|
| ine No.  | Class  | (CP) KWs                              |    | CP %              | KWs                                    | CP %             |                  |                 |                  |                                 |
| 1        | Residential  | 708,895                               |    | 59.11%            | 777,822                                | 60.91%           |                  |                 |                  |                                 |
| 2        | General Service (non-demand)                                   | 65,487                                |    | 5.46%             | 81,290                                 | 6.37%            |                  |                 |                  |                                 |
| 3        | General Service (demand)                                       | 424,824                               |    | 35.43%            | 417,943                                | 32.73%           |                  |                 |                  |                                 |
| 4<br>5   | Lighting   | 0<br>1,199,206                        |    | 0.00%             | 1 277 055                              | 0.00%            |                  |                 |                  |                                 |
| 5        | Total SC   | 1,133,200                             |    | 100.00%           | 1,277,055                              | 100.00%          |                  |                 |                  |                                 |
|          |  |                                       |    | Actual            | Actual                                 | Actual           | Actual           | Actual          | Actual           |                                 |
|          |  |                                       |    | March             | April                                  | May              | June             | July            | August           |                                 |
| Line No. | Description  | Reference                             |    | 2018              | 2018                                   | 2018             | 2018             | 2018            | 2018             |                                 |
| 6        | Purchased Power Agreements                                     | Monthly Fuel Filing                   | \$ | 48,912 \$         | 62,995 \$                              | 67,141 \$        | 25,125 \$        | 56,297 \$       | 158,899          |                                 |
| 7        | Shared Solar Program   | Monthly Fuel Filing                   | ·  | -                 | -                                      | -                | -                | -               | -                |                                 |
| 8        | Total DERP Avoided Costs                                       | Line 6 + Line 7                       | \$ | 48,912 \$         | 62,995 \$                              | 67,141 \$        | 25,125 \$        | 56,297 \$       | 158,899          |                                 |
| 9        | Total System kWh Sales   | Monthly Fuel Filing                   |    | 4,653,962,859     | 4,494,045,504                          | 4,644,699,960    | 5,677,792,552    | 6,164,634,934   | 6,200,477,072    |                                 |
| 10       | DERP Avoided System Costs (¢/kWh)                              | Line 8 / Line 9 * 100                 |    | 0.001             | 0.001                                  | 0.001            | 0.000            | 0.001           | 0.003            |                                 |
| 11       | SC Retail Sales kWh  | Monthly Fuel Filing                   |    | 411,013,563       | 533,237,463                            | 461,633,361      | 523,124,836      | 658,136,492     | 621,746,700      |                                 |
| 12       | SC DERP Avoided Costs  |                                       | \$ | 4,320 \$          | 7,475 \$                               | 6,673 \$         | 2,315 \$         | 6,010 \$        | 15,933           |                                 |
| 13       | SC Residential DER Avoided Costs Allocated by Firm CP          | Line 12 * Line 1                      | \$ | 2,554 \$          | 4,419 \$                               | 3,945 \$         | 1,368 \$         | 3,553 \$        | 9,419            |                                 |
| 14       | SC Residential kWh Sales                                       | Monthly Fuel Filing                   |    | 143,961,446       | 142,967,229                            | 126,649,812      | 183,269,324      | 209,653,372     | 205,859,617      |                                 |
| 15       | SC Residential DERP Avoided Cost (¢/kWh)                       | Line 13 / Line 14 * 100               |    | 0.002             | 0.003                                  | 0.003            | 0.001            | 0.002           | 0.005            |                                 |
| 16       | SC Residential Rate Billed (¢/kWh)                             | 2017-1-E, 2018-1-E                    |    | 0.000             | 0.000                                  | 0.000            | 0.000            | 0.001           | 0.003            |                                 |
| 17       | SC DERP Avoided Costs (Over) / Under Recovery                  | , ,                                   | \$ | 2,554 \$          | 4,419 \$                               | 3,945 \$         | 1,368 \$         | 755 \$          | 3,500            |                                 |
| 18       | Prior Year Balance   | 2018-1-E                              | \$ | 1,591             |  |                  |                  |                 |                  |                                 |
| 40       | Adjusted Cumulative SC Residential DERP Avoided Costs (Over) / | Prior Month Cumulative Balance + Line |    |                   | 0.550 4                                | 42.500 4         | 40.076 4         |                 | 40.404           |                                 |
| 19       | Under Recovery   | 17                                    | \$ | 4,145 \$          | 8,563 \$                               | 12,508 \$        | 13,876 \$        | 14,631 \$       | 18,131           |                                 |
|          |  |                                       |    | Actual            | Actual                                 | Actual           | Actual           | Actual          | Actual           | Review Period                   |
| Line No. | Description  | Reference                             | -  | September<br>2018 | October<br>2018                        | November<br>2018 | December<br>2018 | January<br>2019 | February<br>2019 | Twelve Months<br>Ended Feb 2019 |
|          | ·  |                                       |    |                   |  |                  |                  |                 |                  |                                 |
| 20       | Purchased Power Agreements                                     | Monthly Fuel Filing                   | \$ | 96,632 \$         | (15,529) \$                            | 60,191 \$        | 22,291 \$        | (33,874) \$     | 38,071 \$        |                                 |
| 21       | Shared Solar Program   | Monthly Fuel Filing                   |    | -                 | 49                                     | 167              | 186              | 176             | 648              | 1,2                             |
| 22       | Total DERP Avoided Costs                                       | Line 20 + Line 21                     | \$ | 96,632 \$         | (15,480) \$                            | 60,358 \$        | 22,477 \$        | (33,698) \$     | 38,719 \$        | 588,3                           |
| 23       | Total System kWh Sales   | Monthly Fuel Filing                   |    | 5,427,393,740     | 5,150,522,556                          | 4,723,872,382    | 4,828,127,846    | 5,615,989,658   | 5,087,626,427    | 62,669,145,                     |
| 24       | DERP Avoided System Costs (¢/kWh)                              | Line 22 / Line 23 * 100               |    | 0.002             | (0.000)                                | 0.001            | 0.000            | (0.001)         | 0.001            |                                 |
|          | COR A MICH. LAND   | sa ulle leu                           |    | 511,359,659       | 578,449,399                            | 505,054,037      | 445,338,979      | 605,279,111     | FFF F00 00F      | C 400 004                       |
| 25       | SC Retail Sales kWh  | Monthly Fuel Filing                   |    |                   |  |                  |                  |                 | 555,508,005      |                                 |
|          | SC Retail Sales KWN SC DERP Avoided Costs                      | , 3                                   | \$ | 9,105 \$          | (1,739) \$                             | 6,453 \$         | 2,073 \$         | (3,632) \$      | 4,228            | 6,409,881,6<br>59,2             |

5,382 \$

0.003

0.003

(348) \$

17,783 \$

192,472,913

(1,028) \$

(0.001)

0.003

(5,959) \$

11,824 \$

166,363,331

3,815 \$

0.003

0.003

(208) \$

11,616 \$

135,084,422

1,226 \$

0.001

0.003

(4,388) \$

7,227 \$

188,450,930

(2,212) \$

(0.001)

0.003

(7,812) \$

(585) \$

199,934,867

2,575

0.001

0.003

(3,579) \$

(4,164) \$

(4,164)

206,574,763

\$

#### **DUKE ENERGY PROGRESS, LLC** SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL **ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019**

| Line No. | Class                        | Coincident Peak (CP) KWs | CP %    |
|----------|------------------------------|--------------------------|---------|
| 1        | Residential                  | 777,822                  | 60.91%  |
| 2        | General Service (non-demand) | 81,290                   | 6.37%   |
| 3        | General Service (demand)     | 417,943                  | 32.73%  |
| 4        | Lighting                     | 0                        | 0.00%   |
| 5        | Total SC                     | 1,277,055                | 100.00% |

|          | DISTRIBUTED ENERGY RESOURCE  | DUKE ENERGY PROGRESS, LLC<br>OUTH CAROLINA RETAIL FUEL CASE<br>PROGRAM AVOIDED COSTS (OVER) / UN<br>D ESTIMATED COSTS MARCH 2018 - JUN |    |                            | NTI. | AL                         |                          |                           |      | Harrington Exhibit 13<br>Page 2 of 8<br>Docket No. 2019-1-E | ELECTRONICALLY  |
|----------|--|--|----|----------------------------|------|----------------------------|--------------------------|---------------------------|------|---|-----------------|
|          |  | Winter 2018 Firm   |    |                            |      |                            |                          |                           |      |   | <b>'</b> <      |
| Line No. | Class  | Coincident Peak (CP) KWs   |    | CP %                       |      |                            |                          |                           |      |   | FILE            |
| 1<br>2   | Residential Constal Service (non-demand)   | 777,822<br>81,290  |    | 60.91%<br>6.37%            |      |                            |                          |                           |      |   |                 |
| 3        | General Service (non-demand) General Service (demand)  | 417,943  |    | 32.73%                     |      |                            |                          |                           |      |   |                 |
| 4        | Lighting   | 0  |    | 0.00%                      |      |                            |                          |                           |      |   | 7               |
| 5        | Total SC   | 1,277,055  |    | 100.00%                    |      |                            |                          |                           |      |   | -               |
| Line No. | Description  | Reference  |    | Estimated<br>March<br>2019 |      | Estimated<br>April<br>2019 | Estimated<br>May<br>2019 | Estimated<br>June<br>2019 |      | Sixteen<br>Months Ended<br>June 2019                        | 2019 May        |
| 24       | Developed Developed  | DEDD Market Outrook  | _  | 20.010                     | ۸.   | 20.720 6                   | 42.720 ¢                 | 20.720                    |      | 720.464   | 17              |
| 34<br>35 | Purchased Power Agreements Shared Solar Program  | DERP Model Output DERP Model Output  | \$ | 29,819 \$<br>537 \$        |      | 39,730 \$<br>9,933 \$      | 42,730 \$<br>9,933 \$    | 39,730<br>9,933           |      | 739,161<br>31,560   | ည်              |
| 36       | Total DERP Avoided Costs   | Line 34 + Line 35  | \$ | 30,356 \$                  |      | 49,663 \$                  | 52,663 \$                | 49,663                    |      | 770,721   | .54             |
| 30       | Total DENI Avoided costs   | Line 34 · Line 33  | Ą  | 30,330 7                   | ,    | 49,003 \$                  | 32,003 \$                | 43,003                    | ٧    | 770,721   | -               |
| 37       | Total Projected System kWh Sales   | WP8  |    | 4,552,981,616              |      | 4,482,512,031              | 4,446,396,083            | 5,204,419,092             |      | 81,355,454,312  | PM              |
| 38       | DERP Avoided System Costs (¢/kWh)  | Line 36 / Line 37 * 100  |    | 0.001                      |      | 0.001                      | 0.001                    | 0.001                     |      |   | <u></u>         |
| 39       | Projected SC Retail Sales kWh  | WP8  |    | 416,088,164                |      | 510,686,159                | 491,046,715              | 541,036,670               |      | 8,368,739,314   | 'n              |
| 40       | SC DERP Avoided Costs  | Line 38 * Line 39 / 100  | \$ | 2,774 \$                   |      | 5,658 \$                   | 5,816 \$                 | 5,163                     |      | 78,625  | SCP             |
| 41       | SC Residential DER Avoided Costs Allocated by Firm CP  | Line 40 * Line 1   | \$ | 1,690 \$                   | 5    | 3,446 \$                   | 3,542 \$                 | 3,145                     | \$   | 46,837  |                 |
| 42       | Projected SC Residential kWh Sales   | WP8a   |    | 150,838,802                |      | 161,472,415                | 138,607,950              | 171,939,263               |      | 2,724,100,457   | SC              |
| 43       | SC Residential DERP Avoided Cost (¢/kWh)   | Line 41 / Line 42 * 100  |    | 0.001                      |      | 0.002                      | 0.003                    | 0.002                     |      | 0.002   | 1               |
| 44       | SC Residential Rate Billed (¢/kWh)   | 2018-1-E   |    | 0.003                      |      | 0.003                      | 0.003                    | 0.003                     |      | 0.003   | D               |
| 45<br>46 | SC DERP Avoided Costs (Over) / Under Recovery<br>Adjustment(s)   | (Line 43 - Line 44)*Line 42 /100   | \$ | (2,803) \$                 | 5    | (1,398) \$                 | (616) \$                 | (2,014)                   | ) \$ | (12,586)<br>-   | ocket           |
| 47       | Adjusted Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovery  | Prior Month Cumulative Balance +<br>Line 45 + Line 46  | \$ | (6,967) \$                 | \$   | (8,365) \$                 | (8,981) \$               | (10,995)                  | ) \$ | (10,995)  | # 20            |
| 48<br>49 | SC Projected Residential kWh Sales Jul'19 - Jun'20 SC Residential DERP Avoided Costs Increment / (Decrement) (¢/kWh) | WP8a<br>Line 47 / Line 48 * 100  |    |                            |      |                            |                          |                           |      | 2,301,521,005<br><b>0.000</b>                               | 19-1-E          |
|          |  |  |    |                            |      |                            |                          |                           |      |   | - Page 31 of 38 |

**Review Period** 

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 13 Page 3 of 8 Docket No. 2019-1-E

|          |                              | Winter 2017 Firm<br>Coincident Peak |         | Winter 2018 Firm<br>Coincident Peak |         |  |  |
|----------|------------------------------|-------------------------------------|---------|-------------------------------------|---------|--|--|
| Line No. | Class                        | (CP) KWs                            | CP %    | (CP) KWs                            | CP %    |  |  |
| 1        | Residential                  | 708,895                             | 59.11%  | 777,822                             | 60.91%  |  |  |
| 2        | General Service (non-demand) | 65,487                              | 5.46%   | 81,290                              | 6.37%   |  |  |
| 3        | General Service (demand)     | 424,824                             | 35.43%  | 417,943                             | 32.73%  |  |  |
| 4        | Lighting                     | 0                                   | 0.00%   | 0                                   | 0.00%   |  |  |
| 5        | Total SC                     | 1,199,206                           | 100.00% | 1,277,055                           | 100.00% |  |  |

| Line No. | Description   | Reference                        | Actual<br>March<br>2018 | Actual<br>April<br>2018 | Actual<br>May<br>2018 | Actual<br>June<br>2018 | Actual<br>July<br>2018 | Actual<br>August<br>2018 |
|----------|---|----------------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|--------------------------|
| 6        | Purchased Power Agreements  | Monthly Fuel Filing              | \$<br>48,912            | \$ 62,995               | \$ 67,141 \$          | 25,125 \$              | 56,297 \$              | 158,899                  |
| 7        | Shared Solar Program  | Monthly Fuel Filing              | -                       | -                       | -                     | -                      | -                      | -                        |
| 8        | Total DERP Avoided Costs  | Line 6 + Line 7                  | \$<br>48,912            | \$ 62,995               | \$ 67,141 \$          | 25,125 \$              | 56,297 \$              | 158,899                  |
| 9        | Total System kWh Sales  | Monthly Fuel Filing              | 4,653,962,859           | 4,494,045,504           | 4,644,699,960         | 5,677,792,552          | 6,164,634,934          | 6,200,477,072            |
| 10       | DERP Avoided System Costs (¢/kWh)   | Line 8 / Line 9 * 100            | 0.001                   | 0.001                   | 0.001                 | 0.000                  | 0.001                  | 0.003                    |
| 11       | SC Retail Sales kWh   | Monthly Fuel Filing              | 411,013,563             | 533,237,463             | 461,633,361           | 523,124,836            | 658,136,492            | 621,746,700              |
| 12       | SC DERP Avoided Costs   | Line 10 * Line 11 / 100          | \$<br>4,320             | \$ 7,475                | \$ 6,673 \$           | 2,315 \$               | 6,010 \$               | 15,933                   |
| 13       | SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP               | Line 12 * Line 2                 | \$<br>236               | \$ 408                  | \$ 364 \$             | 127 \$                 | 328 \$                 | 870                      |
| 14       | SC General Service (non-demand) kWh Sales   | Monthly Fuel Filing              | 18,983,274              | 19,396,612              | 19,878,431            | 27,515,526             | 30,997,729             | 31,253,114               |
| 15       | SC General Service (non-demand) DERP Avoided Cost (¢/kWh)                             | Line 13 / Line 14 * 100          | 0.001                   | 0.002                   | 0.002                 | 0.000                  | 0.001                  | 0.003                    |
| 16       | SC General Service (non-demand) Rate Billed (¢/kWh)                                   | 2017-1-E, 2018-1-E               | 0.000                   | 0.000                   | 0.000                 | 0.000                  | 0.000                  | 0.001                    |
| 17       | SC DERP Avoided Costs (Over) / Under Recovery   | (Line 15 - Line 16)*Line 14 /100 | \$<br>236               | \$ 408                  | \$ 364 \$             | 127 \$                 | 189 \$                 | 568                      |
| 18       | Prior Year Balance  | 2018-1-E                         | \$<br>148               |                         |                       |                        |                        |                          |
|          |   | Prior Month Cumulative Balance + |                         |                         |                       |                        |                        |                          |
| 19       | Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovery | Line 17 + Line 18                | \$<br>384               | \$ 792                  | \$ 1,156 \$           | 1,284 \$               | 1,473 \$               | 2,041                    |

|          |   |                                  | September     | October           | November      | December      | January       | February      | Twelve Months  |
|----------|---|----------------------------------|---------------|-------------------|---------------|---------------|---------------|---------------|----------------|
| Line No. | Description   | Reference                        | 2018          | 2018              | 2018          | 2018          | 2019          | 2019          | Ended Feb 2019 |
|          | ·   |                                  |               |                   |               |               |               |               |                |
| 20       | Purchased Power Agreements  | Monthly Fuel Filing              | \$<br>96,632  | \$<br>(15,529) \$ | 60,191 \$     | 22,291 \$     | (33,874) \$   | 38,071 \$     | 587,151        |
| 21       | Shared Solar Program  | Monthly Fuel Filing              | -             | 49                | 167           | 186           | 176           | 648           | 1,226          |
| 22       | Total DERP Avoided Costs  | Line 20 + Line 21                | \$<br>96,632  | \$<br>(15,480) \$ | 60,358 \$     | 22,477 \$     | (33,698) \$   | 38,719 \$     | 588,377        |
| 23       | Total System kWh Sales  | Monthly Fuel Filing              | 5,427,393,740 | 5,150,522,556     | 4,723,872,382 | 4,828,127,846 | 5,615,989,658 | 5,087,626,427 | 62,669,145,490 |
| 24       | DERP Avoided System Costs (¢/kWh)   | Line 22 / Line 23 * 100          | 0.002         | (0.000)           | 0.001         | 0.000         | (0.001)       | 0.001         |                |
| 25       | SC Retail Sales kWh   | Monthly Fuel Filing              | 511,359,659   | 578,449,399       | 505,054,037   | 445,338,979   | 605,279,111   | 555,508,005   | 6,409,881,605  |
| 26       | SC DERP Avoided Costs   | Line 24 * Line 25 / 100          | \$<br>9,105   | \$<br>(1,739) \$  | 6,453 \$      | 2,073 \$      | (3,632) \$    | 4,228 \$      | 59,214         |
| 27       | SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP               | Line 26 * Line 2                 | \$<br>497     | \$<br>(95) \$     | 352 \$        | 113 \$        | (231) \$      | 269 \$        | 3,240          |
| 28       | SC General Service (non-demand) kWh Sales   | Monthly Fuel Filing              | 29,398,859    | 25,905,784        | 43,187,370    | 1,109,696     | 24,675,505    | 25,191,572    | 297,493,472    |
| 29       | SC General Service (non-demand) DERP Avoided Cost (¢/kWh)                             | Line 27 / Line 28 * 100          | 0.002         | (0.000)           | 0.001         | 0.010         | (0.001)       | 0.001         | 0.001          |
| 30       | SC General Service (non-demand) Rate Billed (c/kWh)                                   | 2018-1-E                         | 0.001         | 0.001             | 0.001         | 0.001         | 0.001         | 0.001         | 0.0010         |
| 31       | SC DERP Avoided Costs (Over) / Under Recovery   | (Line 29 - Line 30)*Line 28 /100 | \$<br>203     | \$<br>(354) \$    | (80) \$       | 102 \$        | (399) \$      | 17 \$         | 1,383          |
| 32       | Adjustment(s)   |                                  |               | , , ,             | , , .         | •             |               | ·             | · -            |
|          |   | Prior Month Cumulative Balance + |               |                   |               |               |               |               |                |
| 33       | Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovery | Line 31 + Line 32                | \$<br>2,244   | \$<br>1,890 \$    | 1,811 \$      | 1,913 \$      | 1,514 \$      | 1,531 \$      | 1,531          |

Actual

Actual

Actual

Actual

Actual

Actual

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE

Harrington Exhibit 13 Page 4 of 8 Docket No. 2019-1-E

## DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Winter 2018 Firm

| Line No. | Class                        | Coincident Peak (CP) KWs | CP %    |
|----------|------------------------------|--------------------------|---------|
| 1        | Residential                  | 777,822                  | 60.91%  |
| 2        | General Service (non-demand) | 81,290                   | 6.37%   |
| 3        | General Service (demand)     | 417,943                  | 32.73%  |
| 4        | Lighting                     | 0                        | 0.00%   |
| 5        | Total SC                     | 1.277.055                | 100.00% |

|          |  |                                  | Estimated<br>March | Estimated<br>April | Estimated<br>May | Estimated<br>June | Sixteen<br>Months Ended |
|----------|--|----------------------------------|--------------------|--------------------|------------------|-------------------|-------------------------|
| Line No. | Description  | Reference                        | <br>2019           | 2019               | 2019             | 2019              | <br>June 2019           |
| 34       | Purchased Power Agreements   | DERP Model Output                | \$<br>29,819       | \$<br>39,730       | \$<br>42,730     | \$<br>39,730      | \$<br>739,161           |
| 35       | Shared Solar Program   | DERP Model Output                | 537                | 9,933              | 9,933            | 9,933             | 31,560                  |
| 36       | Total DERP Avoided Costs   | Line 34 + Line 35                | \$<br>30,356       | \$<br>49,663       | \$<br>52,663     | \$<br>49,663      | \$<br>770,721           |
| 37       | Total Projected System kWh Sales   | WP8                              | 4,552,981,616      | 4,482,512,031      | 4,446,396,083    | 5,204,419,092     | 81,355,454,312          |
| 38       | DERP Avoided System Costs (¢/kWh)  | Line 36 / Line 37 * 100          | 0.001              | 0.001              | 0.001            | 0.001             |                         |
| 39       | Projected SC Retail Sales kWh  | WP8                              | 416,088,164        | 510,686,159        | 491,046,715      | 541,036,670       | 8,368,739,314           |
| 40       | SC DERP Avoided Costs  | Line 38 * Line 39 / 100          | \$<br>2,774        | \$<br>5,658        | \$<br>5,816      | \$<br>5,163       | \$<br>78,625            |
|          | SC General Service (non-demand) DERP Avoided Costs Allocated by  |                                  |                    |                    |                  |                   |                         |
| 41       | Firm CP  | Line 40 * Line 2                 | \$<br>177          | \$<br>360          | \$<br>370        | \$<br>329         | \$<br>4,476             |
| 42       | Projected SC General Service (non-demand) kWh Sales  | WP8a                             | 18,802,778         | 23,902,363         | 24,173,210       | 25,241,053        | 389,612,876             |
| 43       | SC General Service (non-demand) DERP Avoided Cost (¢/kWh)  | Line 41 / Line 42 * 100          | 0.001              | 0.002              | 0.002            | 0.001             | 0.001                   |
| 44       | SC General Service (non-demand) Rate Billed (¢/kWh)  | 2018-1-E                         | 0.001              | 0.001              | 0.001            | 0.001             | 0.001                   |
| 45       | SC DERP Avoided Costs (Over) / Under Recovery  | (Line 43 - Line 44)*Line 42 /100 | \$<br>(12)         | \$<br>121          | \$<br>128        | \$<br>76          | \$<br>1,696             |
| 46       | Adjustment(s)  |                                  |                    |                    |                  |                   | -                       |
|          | Cumulative SC General Service (non-demand) DERP Avoided Costs  | Prior Month Cumulative Balance + |                    |                    |                  |                   |                         |
| 47       | (Over) / Under Recovery  | Line 45 + Line 46                | \$<br>1,519        | \$<br>1,640        | \$<br>1,768      | \$<br>1,844       | \$<br>1,844             |
| 48       | SC Projected General Service (non-demand) kWh Sales Jul'19 - Jun'20 SC General Service (non-demand) DERP Avoided Costs Increment / | WP8a                             |                    |                    |                  |                   | 299,773,076             |
| 49       | (Decrement) (¢/kWh)  | Line 47 / Line 48 * 100          |                    |                    |                  |                   | 0.001                   |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 13 Page 5 of 8 Docket No. 2019-1-E

|          |  | Winter 2017 Firm<br>Coincident Peak |    |                       | inter 2018 Firm<br>oincident Peak |                       |               |                         |                       |                |
|----------|--|-------------------------------------|----|-----------------------|-----------------------------------|-----------------------|---------------|-------------------------|-----------------------|----------------|
| Line No. | Class  | (CP) KWs                            |    | CP %                  | (CP) KWs                          | CP %                  |               |                         |                       |                |
| 1        | Residential  | 708,895                             |    | 59.11%                | 777,822                           | 60.91%                |               |                         |                       |                |
| 2        | General Service (non-demand)                                     | 65,487                              |    | 5.46%                 | 81,290                            | 6.37%                 |               |                         |                       |                |
| 3        | General Service (demand)   | 424,824                             |    | 35.43%                | 417,943                           | 32.73%                |               |                         |                       |                |
| 4        | Lighting   | 0                                   |    | 0.00%                 | 0                                 | 0.00%                 |               |                         |                       |                |
| 5        | Total SC   | 1,199,206                           |    | 100.00%               | 1,277,055                         | 100.00%               |               |                         |                       |                |
| ,        | Total 3C   | 1,133,200                           |    | 100.00%               | 1,277,033                         | 100.0070              |               |                         |                       |                |
|          |  |                                     |    | Actual                | Actual                            | Actual                | Actual        | Actual                  | Actual                |                |
|          |  |                                     |    | March                 | April                             | May                   | June          | July                    | August                |                |
| Line No. | Description  | Reference                           |    | 2018                  | 2018                              | 2018                  | 2018          | 2018                    | 2018                  |                |
| Line No. | Description  | Reference                           |    | 2010                  | 2016                              | 2010                  | 2016          | 2016                    | 2018                  |                |
| 6        | Purchased Power Agreements                                       | Monthly Fuel Filing                 | Ś  | 48,912 \$             | 62,995 \$                         | 67,141 \$             | 25,125 \$     | 56,297 \$               | 158,899               |                |
| 7        | Shared Solar Program   | Monthly Fuel Filing                 |    |                       | - , ,                             | - / /                 | -, - ,        |                         | -                     |                |
| 8        | Total DERP Avoided Costs   | Line 6 + Line 7                     | Ś  | 48,912 \$             | 62,995 \$                         | 67,141 \$             | 25,125 \$     | 56,297 \$               | 158,899               |                |
| 0        | Total DERF Avoided Costs   | Line 0 + Line 7                     | ڔ  | 40,512 \$             | 02,555 \$                         | 07,141 3              | 23,123 \$     | 30,237 \$               | 136,699               |                |
| 9        | Total System kWh Sales   | Monthly Fuel Filing                 |    | 4,653,962,859         | 4,494,045,504                     | 4,644,699,960         | 5,677,792,552 | 6,164,634,934           | 6,200,477,072         |                |
| 10       | DERP Avoided System Costs (¢/kWh)                                | Line 8 / Line 9 * 100               |    | 0.001                 | 0.001                             | 0.001                 | 0.000         | 0.001                   | 0.003                 |                |
| 11       | SC Retail Sales kWh  | Monthly Fuel Filing                 |    | 411,013,563           | 533,237,463                       | 461,633,361           | 523,124,836   | 658,136,492             | 621,746,700           |                |
| 12       | SC DERP Avoided Costs  | Line 10 * Line 11 / 100             | \$ | 4,320 \$              | 7,475 \$                          | 6,673 \$              | 2,315 \$      | 6,010 \$                | 15,933                |                |
| 12       |  | Lille 10 * Lille 11 / 100           | Ş  | 4,320 \$              | 7,475 \$                          | 0,075 \$              | 2,515 \$      | 0,010 \$                | 13,933                |                |
|          | SC General Service (demand) DERP Avoided Costs Allocated by Firm |                                     |    |                       |                                   |                       |               |                         |                       |                |
| 13       | CP   | Line 12 * Line 3                    | \$ | 1,530 \$              | 2,648 \$                          | 2,364 \$              | 820 \$        | 2,129 \$                | 5,644                 |                |
| 14       | SC General Service (demand) kW Sales                             | Monthly Fuel Filing                 |    | 657,929               | 666,086                           | 652,200               | 669,014       | 703,175                 | 805,885               |                |
| 15       | SC General Service (demand) DERP Avoided Costs (¢/kWh)           | Line 13 / Line 14 * 100             |    | 0.233                 | 0.398                             | 0.362                 | 0.123         | 0.303                   | 0.700                 |                |
| 16       | SC General Service (demand) Rate Billed (¢/kWh)                  | 2017-1-E, 2018-1-E                  |    | 0.000                 | 0.000                             | 0.000                 | 0.000         | 0.000                   | 0.000                 |                |
| 20       | So serieral service (demails) hate sines (4) http://             | 2017 1 2, 2010 1 2                  |    | 0.000                 | 0.000                             | 0.000                 | 0.000         | 0.000                   | 0.000                 |                |
| 17       | SC DERP Avoided Costs (Over) / Under Recovery                    | (Line 15 - Line 16)*Line 14 /100    | \$ | 1,530 \$              | 2,648 \$                          | 2,364 \$              | 820 \$        | 2,129 \$                | 5,644                 |                |
| 18       | Prior Year Balance and Misc. Adjustment(s)                       | 2018-1-E                            | \$ | 975                   |                                   |                       |               |                         |                       |                |
|          | Cumulative SC General Service (demand) DERP Avoided Costs (Over) | Prior Month Cumulative Balance +    |    |                       |                                   |                       |               |                         |                       |                |
| 19       | / Under Recovery   | Line 17 + Line 18                   | Ś  | 2,505 \$              | 5,153 \$                          | 7,517 \$              | 8,337 \$      | 10,466 \$               | 16,111                |                |
|          | , ,  |                                     |    | ,,                    | ,                                 | ,                     | -,            | .,                      | -,                    |                |
|          |  |                                     |    | Actual                | Actual                            | Actual                | Actual        | Actual                  | Actual                | Review Period  |
|          |  |                                     |    | September             | October                           | November              | December      | January                 | February              | Twelve Months  |
| Line No. | Description  | Reference                           |    | 2018                  | 2018                              | 2018                  | 2018          | 2019                    | 2019                  | Ended Feb 2019 |
|          |  |                                     |    |                       |                                   |                       |               |                         |                       |                |
| 20       | Purchased Power Agreements                                       | Monthly Fuel Filing                 | \$ | 96,632 \$             | (15,529) \$                       | 60,191 \$             | 22,291 \$     | (33,874) \$             | 38,071 \$             | 587,151        |
| 21       | Shared Solar Program   | Monthly Fuel Filing                 |    | -                     | 49                                | 167                   | 186           | 176                     | 648                   | 1,226          |
| 22       | Total DERP Avoided Costs   | Line 20 + Line 21                   | \$ | 96,632 \$             | (15,480) \$                       | 60,358 \$             | 22,477 \$     | (33,698) \$             | 38,719 \$             | 588,377        |
| 23       | Total System kWh Sales   | Monthly Fuel Filing                 |    | 5,427,393,740         | 5,150,522,556                     | 4,723,872,382         | 4,828,127,846 | 5,615,989,658           | 5,087,626,427         | 62,669,145,490 |
|          | •  |                                     |    |                       |                                   |                       |               |                         |                       | 62,669,145,490 |
| 24       | DERP Avoided System Costs (¢/kWh)                                | Line 22 / Line 23 * 100             |    | 0.002                 | (0.000)                           | 0.001                 | 0.000         | (0.001)                 | 0.001                 |                |
| 25       | SC Retail Sales kWh  | Monthly Fuel Filing                 |    | 511,359,659           | 578,449,399                       | 505,054,037           | 445,338,979   | 605,279,111             | 555,508,005           | 6,409,881,605  |
| 26       | SC DERP Avoided Costs  | Line 24 * Line 25 / 100             | \$ | 9,105 \$              | (1,739) \$                        | 6,453 \$              | 2,073 \$      | (3,632) \$              | 4,228 \$              | 59,214         |
|          | SC General Service (demand) DERP Avoided Costs Allocated by Firm |                                     |    |                       |                                   |                       |               |                         |                       |                |
| 27       | CP   | Line 26 * Line 3                    | \$ | 3,226 \$              | (616) \$                          | 2,286 \$              | 734 \$        | (1,190) \$              | 1,384 \$              | 20,961         |
| 28       | SC General Service (demand) kW Sales                             | Monthly Fuel Filing                 |    | 885,000               | 704,900                           | 647,300               | 621,700       | 409,400                 | 671,000               | 8,093,589      |
| 29       | SC General Service (demand) DERP Avoided Costs (¢/kWh)           | Line 27 / Line 28 * 100             |    | 0.36                  | (0.09)                            | 0.35                  | 0.12          | (0.29)                  | 0.21                  | 0.26           |
| 30       |  | 2018-1-E                            |    | -                     | -                                 | -                     | -             | -                       | -                     | 3.20           |
|          | SC General Service (demand) Rate Billed (¢/kWh)                  | 2010 1 2                            |    |                       |                                   |                       |               |                         |                       |                |
| 21       |  |                                     | ć  | ວ າ າ ຣ               | (616) ¢                           | 2 206 ¢               | 72 <i>1</i> ¢ | (1 20E) ¢               | 1 201 ¢               | 20 046         |
| 31       | SC DERP Avoided Costs (Over) / Under Recovery                    | (Line 29 - Line 30)*Line 28 /100    | \$ | 3,226 \$              | (616) \$                          | 2,286 \$              | 734 \$        | (1,205) \$              | 1,384 \$              | 20,946         |
| 31<br>32 | SC DERP Avoided Costs (Over) / Under Recovery<br>Adjustment(s)   | (Line 29 - Line 30)*Line 28 /100    | \$ | 3,226 \$              | (616) \$                          | 2,286 \$              | 734 \$        | (1,205) \$              | 1,384 \$              | 20,946<br>-    |
|          | SC DERP Avoided Costs (Over) / Under Recovery                    | (Line 29 - Line 30)*Line 28 /100    | \$ | 3,226 \$<br>19,337 \$ | (616) \$<br>18,721 \$             | 2,286 \$<br>21,007 \$ | 734 \$        | (1,205) \$<br>20,537 \$ | 1,384 \$<br>21,921 \$ | · -            |

#### **DUKE ENERGY PROGRESS, LLC** SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

| Line No. | Class                        | Coincident Peak (CP) KWs | CP %    |
|----------|------------------------------|--------------------------|---------|
| 1        | Residential                  | 777,822                  | 60.91%  |
| 2        | General Service (non-demand) | 81,290                   | 6.37%   |
| 3        | General Service (demand)     | 417,943                  | 32.73%  |
| 4        | Lighting                     | 0                        | 0.00%   |
| 5        | Total SC                     | 1,277,055                | 100.00% |

|          | SOU<br>DISTRIBUTED ENERGY RESOURCE PROGRAM A                                      | DUKE ENERGY PROGRESS, LLC<br>JTH CAROLINA RETAIL FUEL CASE<br>AVOIDED COSTS (OVER) / UNDER RECOV<br>STIMATED COSTS MARCH 2018 - JUNE 2 |    | SENERAL SERVICE (D | EMAND)             |                  |         |                   | Harrington Exhibit 1:<br>Page 6 of 8<br>Docket No. 2019-1-I | 3 0                         |
|----------|---|--|----|--------------------|--------------------|------------------|---------|-------------------|---|-----------------------------|
|          |   | Winter 2018 Firm   |    |                    |                    |                  |         |                   |   | $\vdash$                    |
| Line No. | Class   | Coincident Peak (CP) KWs   |    | CP %               |                    |                  |         |                   |   |                             |
| 1        | Residential   | 777,822  |    | 60.91%             |                    |                  |         |                   |   | Ξ                           |
| 2        | General Service (non-demand)  | 81,290   |    | 6.37%              |                    |                  |         |                   |   | iт                          |
| 3        | General Service (demand) Lighting   | 417,943<br>0   |    | 32.73%<br>0.00%    |                    |                  |         |                   |   | D                           |
| 5        | Total SC  | 1,277,055  |    | 100.00%            |                    |                  |         |                   |   |                             |
| 3        | Total 30  | 1,277,033  |    | 100.00%            |                    |                  |         |                   |   | 201                         |
|          |   |  |    | Estimated<br>March | Estimated<br>April | Estimated<br>May |         | Estimated<br>June | Sixteen<br>Months Ended                                     | 19 May                      |
| Line No. | Description   | Reference  |    | 2019               | 2019               | 2019             |         | 2019              | June 2019   | - 28                        |
| 34       | Purchased Power Agreements  | DERP Model Output  | \$ | 29,819             | 39,730             | \$ 42            | ,730 \$ | 39,730            | \$ 739,161  | 17                          |
| 35       | Shared Solar Program  | DERP Model Output  | *  | 537                | 9,933              |                  | ,933    | 9,933             | 31,560  | •                           |
| 36       | Total DERP Avoided Costs  | Line 34 + Line 35  | \$ | 30,356 \$          |                    |                  | ,663 \$ | •                 |   |                             |
|          |   |  |    |                    |                    |                  |         |                   |   | 4                           |
| 37       | Total Projected System kWh Sales  | WP8  |    | 4,552,981,616      | 4,482,512,031      | 4,446,396        | ,083    | 5,204,419,092     | 81,355,454,312  |                             |
| 38       | DERP Avoided System Costs (¢/kWh)   | Line 36 / Line 37 * 100  |    | 0.001              | 0.001              | (                | .001    | 0.001             |   | Š                           |
| 39       | Projected SC Retail Sales kWh   | WP8  |    | 416,088,164        | 510,686,159        | 491,046          |         | 541,036,670       | 8,368,739,314   | 1                           |
| 40       | SC DERP Avoided Costs   | Line 38 * Line 39 / 100  | \$ | 2,774 \$           |                    |                  | ,816 \$ |                   |   | 0,                          |
| 41       | SC General Service (demand) DERP Avoided Costs Allocated by Firm CP               | Line 40 * Line 3   | \$ | 908 \$             | 1,852              | \$ 1             | ,903 \$ | 1,690             | \$ 27,313   | ` '                         |
| 42       | Projected SC General Service (demand) kW Sales                                    | WP8a   |    | 645,500            | 696,605            | 771              | ,394    | 824,008           | 11,031,096  | PS                          |
| 43       | SC General Service (demand) DERP Avoided Costs (¢/kWh)                            | Line 41 / Line 42 * 100  |    | 0.141              | 0.266              |                  | .247    | 0.205             | 0.248   | _                           |
| 44       | SC General Service (demand) Rate Billed (¢/kWh)                                   | 2018-1-E   |    | -                  | -                  | •                | -       | -                 | -   | ï                           |
|          | oo oenerar oer voe (aemana) nate omea (4) kvvvi)                                  | 2010 1 2   |    |                    |                    |                  |         |                   |   |                             |
| 45       | SC DERP Avoided Costs (Over) / Under Recovery                                     | (Line 43 - Line 44)*Line 42 /100   | \$ | 908 \$             | 1,852              | \$ 1             | ,903 \$ | 1,690             | \$ 27,298   | ŏ                           |
| 46       | Adjustment(s)   | •  |    |                    | •                  |                  | ·       | •                 | -   | Docket                      |
|          |   | Prior Month Cumulative Balance +   |    |                    |                    |                  |         |                   |   | et                          |
| 47       | Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovery | Line 45 + Line 46  | \$ | 22,829 \$          | 24,680             | \$ 26            | ,584 \$ | 28,273            | \$ 28,273   | #                           |
|          |   |  |    |                    |                    |                  |         |                   |   |                             |
| 48       | SC Projected General Service (demand) KW Sales Jul'19-Jun'20                      | WP8a   |    |                    |                    |                  |         |                   | 9,063,849   | 201                         |
| 40       | SC General Service (demand) DEPD Avaided Cost Increment / (Decrement) (C/k/M)     | Line 47 / Line 48 * 100  |    |                    |                    |                  |         |                   | 0.312   | C                           |
| 49       | SC General Service (demand) DERP Avoided Cost Increment / (Decrement) (¢/kW)      | Life 47 / Life 48 · 100  |    |                    |                    |                  |         |                   | 0.312   |                             |
|          |   |  |    |                    |                    |                  |         |                   |   | Щ                           |
|          |   |  |    |                    |                    |                  |         |                   |   |                             |
|          |   |  |    |                    |                    |                  |         |                   |   | ÷                           |
|          |   |  |    |                    |                    |                  |         |                   |   | Page                        |
|          |   |  |    |                    |                    |                  |         |                   |   | g                           |
|          |   |  |    |                    |                    |                  |         |                   |   |                             |
|          |   |  |    |                    |                    |                  |         |                   |   | $\mathcal{Z}_{\mathcal{E}}$ |
|          |   |  |    |                    |                    |                  |         |                   |   | 0.                          |
|          |   |  |    |                    |                    |                  |         |                   |   | <b>≚</b>                    |
|          |   |  |    |                    |                    |                  |         |                   |   | 35 of 38                    |
|          |   |  |    |                    |                    |                  |         |                   |   | <b>∞</b>                    |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - LIGHTING ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 13 Page 7 of 8 Docket No. 2019-1-E

|          |   | Winter 2017 Firm<br>Coincident Peak                   |    |               |    | er 2018 Firm<br>Icident Peak |               |    |               |    |               |               |    |                |   |
|----------|---|---|----|---------------|----|------------------------------|---------------|----|---------------|----|---------------|---------------|----|----------------|---|
| Line No. | Class   | (CP) KWs  |    | CP %          | (  | CP) KWs                      | CP %          |    |               |    |               |               |    |                |   |
| 1        | Residential   | 708,895   |    | 59.11%        |    | 777,822                      | 60.91%        |    |               |    |               |               |    |                |   |
| 2        | General Service (non-demand)                                      | 65,487  |    | 5.46%         |    | 81,290                       | 6.37%         |    |               |    |               |               |    |                |   |
| 3        | General Service (demand)  | 424,824   |    | 35.43%        |    | 417,943                      | 32.73%        |    |               |    |               |               |    |                |   |
| 4        | Lighting  | 0   |    | 0.00%         |    | 0                            | 0.00%         |    |               |    |               |               |    |                |   |
| 5        | Total SC  | 1,199,206   |    | 100.00%       | 1  | 1,277,055                    | 100.00%       |    |               |    |               |               |    |                |   |
|          |   |   |    | Actual        |    | Actual                       | Actual        |    | Actual        |    | Actual        | Actual        |    |                |   |
|          |   |   |    | March         |    | April                        | May           |    | June          |    | July          | August        |    |                |   |
| Line No. | Description   | Reference   |    | 2018          |    | 2018                         | 2018          |    | 2018          |    | 2018          | 2018          |    |                |   |
| 6        | Purchased Power Agreements  | Monthly Fuel Filing                                   | \$ | 48,912        | ¢  | 62,995 \$                    | 67,141        | ¢  | 25,125        | ¢  | 56,297 \$     | 158,899       |    |                |   |
| 7        | Shared Solar Program  | Monthly Fuel Filing                                   | Ţ  | 40,312 ,      | Ţ  | 02,555 \$                    | 07,141        | ٧  | 23,123        | Ļ  | 30,237 \$     | 130,033       |    |                |   |
| 8        | Total DERP Avoided Costs  | Line 6 + Line 7                                       | \$ | 48,912        | \$ | 62,995 \$                    | 67,141        | \$ | 25,125        | \$ | 56,297 \$     | 158,899       |    |                | , |
| 9        | Total System kWh Sales  | Monthly Fuel Filing                                   |    | 4,653,962,859 |    | 4,494,045,504                | 4,644,699,960 |    | 5,677,792,552 |    | 6,164,634,934 | 6,200,477,072 |    |                |   |
| 10       | DERP Avoided Costs (¢/kWh)  | Line 8 / Line 9 * 100                                 |    | 0.001         |    | 0.001                        | 0.001         |    | 0.000         |    | 0.001         | 0.003         |    |                |   |
| 11       | SC Retail Sales kWH   | Monthly Fuel Filing                                   |    | 411,013,563   |    | 533,237,463                  | 461,633,361   |    | 523,124,836   |    | 658,136,492   | 621,746,700   |    |                |   |
| 12       | SC DERP Avoided Costs   | Line 10 * Line 11 / 100                               | \$ | 4,320 \$      | Ś  | 7,475 \$                     | 6,673         | Ś  | 2,315         | Ś  | 6,010 \$      | 15,933        |    |                |   |
| 13       | SC Lighting DERP Avoided Costs Allocated by Firm CP               | Line 12 * Line 4                                      | \$ | - \$          |    | - \$                         | -             | \$ |               | \$ | - \$          | -             |    |                |   |
| 14       | SC Lighting kWh Sales   | Monthly Fuel Filing                                   |    | 6,689,961     |    | 6,728,220                    | 6,641,827     |    | 6,621,076     |    | 6,680,462     | 6,850,282     |    |                |   |
| 15       | SC Lighting DERP Avoided Costs (¢/kWh)                            | Line 13 / Line 14 * 100                               |    | 0.000         |    | 0.000                        | 0.000         |    | 0.000         |    | 0.000         | 0.000         |    |                |   |
| 16       | SC Lighting Rate Billed (¢/kWh)                                   | 2017-1-E, 2018-1-E                                    |    | 0.000         |    | 0.000                        | 0.000         |    | 0.000         |    | 0.000         | 0.000         |    |                |   |
| 17       | SC DERP Avoided Costs (Over) / Under Recovery                     | (Line 15 - Line 16)*Line 14 /100                      | \$ | - \$          | \$ | - \$                         | -             | \$ | -             | \$ | - \$          | -             |    |                |   |
| 18       | Prior Year Balance and Misc. Adjustment(s)                        | 2018-1-E  | \$ | -             |    |                              |               |    |               |    |               |               |    |                |   |
|          |   | Prior Month Cumulative Balance +                      |    |               |    |                              |               |    |               |    |               |               |    |                |   |
| 19       | Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovery | Line 17 + Line 18                                     | \$ | - \$          | \$ | - \$                         | -             | \$ | -             | \$ | - \$          | -             |    |                |   |
|          |   |   |    | Actual        |    | Actual                       | Actual        |    | Actual        |    | Actual        | Actual        |    | eview Period   |   |
|          |   |   |    | September     |    | October                      | November      |    | December      |    | January       | February      |    | elve Months    |   |
| Line No. | Description   | Reference   |    | 2018          |    | 2018                         | 2018          |    | 2018          |    | 2019          | 2019          | En | ded Feb 2019   |   |
| 20       | Purchased Power Agreements  | Monthly Fuel Filing                                   | \$ | 96,632        | \$ | (15,529) \$                  | 60,191        | \$ | 22,291        | \$ | (33,874) \$   | 38,071        | \$ | 587,151        |   |
| 21       | Shared Solar Program  | Monthly Fuel Filing                                   |    | =             |    | 49                           | 167           |    | 186           |    | 176           | 648           |    | 1,226          |   |
| 22       | Total DERP Avoided Costs  | Line 20 + Line 21                                     | \$ | 96,632 \$     | \$ | (15,480) \$                  | 60,358        | \$ | 22,477        | \$ | (33,698) \$   | 38,719        | \$ | 588,377        |   |
| 23       | Total System kWh Sales  | Monthly Fuel Filing                                   |    | 5,427,393,740 | !  | 5,150,522,556                | 4,723,872,382 |    | 4,828,127,846 |    | 5,615,989,658 | 5,087,626,427 |    | 62,669,145,490 |   |
| 24       | DERP Avoided Costs (¢/kWh)  | Line 22 / Line 23 * 100                               |    | 0.002         |    | (0.000)                      | 0.001         |    | 0.000         |    | (0.001)       | 0.001         |    |                |   |
| 25       | SC Retail Sales kWH   | Monthly Fuel Filing                                   |    | 511,359,659   |    | 578,449,399                  | 505,054,037   |    | 445,338,979   |    | 605,279,111   | 555,508,005   |    | 6,409,881,605  |   |
| 26       | SC DERP Avoided Costs   | Line 24 * Line 25 / 100                               | \$ | 9,105 \$      | \$ | (1,739) \$                   | 6,453         | \$ | 2,073         | \$ | (3,632) \$    | 4,228         | \$ | 59,214         |   |
| 27       | SC Lighting DERP Avoided Costs Allocated by Firm CP               | Line 26 * Line 4                                      | \$ | - \$          | \$ | - \$                         | -             | \$ | -             | \$ | - \$          | -             | \$ | -              |   |
| 28       | SC Lighting kWh Sales   | Monthly Fuel Filing                                   |    | 6,430,052     |    | 6,790,304                    | 6,559,351     |    | 6,430,252     |    | 6,581,684     | 6,553,176     |    | 79,556,647     |   |
| 29       | SC Lighting DERP Avoided Costs (¢/kWh)                            | Line 27 / Line 28 * 100                               |    | 0.000         |    | 0.000                        | 0.000         |    | 0.000         |    | 0.000         | 0.000         |    | 0.000          |   |
| 30       | SC Lighting Rate Billed (¢/kWh)                                   | 2018-1-E  |    | 0.000         |    | 0.000                        | 0.000         |    | 0.000         |    | 0.000         | 0.000         |    |                |   |
| 31<br>32 | SC DERP Avoided Costs (Over) / Under Recovery<br>Adjustment(s)    | (Line 29 - Line 30)*Line 28 /100                      | \$ | - \$          | \$ | - \$                         | -             | \$ | -             | \$ | - \$          | -             | \$ | -              |   |
| 33       | Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovery | Prior Month Cumulative Balance +<br>Line 31 + Line 32 | \$ | - 5           | ė  | - \$                         |               | \$ |               | Ś  | - \$          | -             | ċ  |                |   |
| 33       | cumulative 3c Lighting DERF Avoided Costs (Over) / Under Recovery | LINE 31 + LINE 32                                     | Ş  | - ;           | ې  | - >                          | -             | Ş  | -             | ب  | - >           | -             | ب  | -              |   |

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - LIGHTING ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 13 Page 8 of 8 Docket No. 2019-1-E

Winter 2018 Firm

| Line No. | Class                        | Coincident Peak (CP) KWs | CP %    |
|----------|------------------------------|--------------------------|---------|
| 1        | Residential                  | 777,822                  | 60.91%  |
| 2        | General Service (non-demand) | 81,290                   | 6.37%   |
| 3        | General Service (demand)     | 417,943                  | 32.73%  |
| 4        | Lighting                     | 0                        | 0.00%   |
| 5        | Total SC                     | 1,277,055                | 100.00% |

| Line No. | Description   | Reference   | Estimated<br>March<br>2019 | Estimated<br>April<br>2019 | Estimated<br>May<br>2019 | Estimated<br>June<br>2019 | <br>Sixteen<br>Months Ended<br>June 2019 |
|----------|---|---|----------------------------|----------------------------|--------------------------|---------------------------|--|
| 34       | Purchased Power Agreements  | DERP Model Output                                     | \$<br>29,819               | \$<br>39,730               | \$<br>42,730             | \$<br>39,730              | \$<br>739,161                            |
| 35       | Shared Solar Program  | DERP Model Output                                     | 537                        | 9,933                      | 9,933                    | 9,933                     | 31,560                                   |
| 36       | Total DERP Avoided Costs  | Line 34 + Line 35                                     | \$<br>30,356               | \$<br>49,663               | \$<br>52,663             | \$<br>49,663              | \$<br>770,721                            |
| 37       | Total Projected System kWh Sales  | WP8   | 4,552,981,616              | 4,482,512,031              | 4,446,396,083            | 5,204,419,092             | 81,355,454,312                           |
| 38       | DERP Avoided Costs (¢/kWh)  | Line 36 / Line 37 * 100                               | 0.001                      | 0.001                      | 0.001                    | 0.001                     |  |
| 39       | Projected SC Retail Sales kWH   | WP8   | 416,088,164                | 510,686,159                | 491,046,715              | 541,036,670               | 8,368,739,314                            |
| 40       | SC DERP Avoided Costs   | Line 38 * Line 39 / 100                               | \$<br>2,774                | \$<br>5,658                | \$<br>5,816              | \$<br>5,163               | \$<br>78,625                             |
| 41       | SC Lighting DERP Avoided Costs Allocated by Firm CP   | Line 40 * Line 4                                      | -                          | -                          | -                        | -                         | -  |
| 42       | Projected SC Lighting kWh Sales   | WP8a  | 6,548,241                  | 7,639,378                  | 7,703,947                | 8,021,643                 | 109,469,856                              |
| 43       | SC Lighting DERP Avoided Costs (¢/kWh)  | Line 41 / Line 42 * 100                               | 0.000                      | 0.000                      | 0.000                    | 0.000                     |  |
| 44       | SC Lighting Rate Billed (¢/kWh)   | 2018-1-E  | 0.000                      | 0.000                      | 0.000                    | 0.000                     |  |
| 45       | SC DERP Avoided Costs (Over) / Under Recovery   | (Line 43 - Line 44)*Line 42 /100                      | \$<br>-                    | \$<br>-                    | \$<br>-                  | \$<br>-                   | \$<br>-                                  |
| 46       | Adjustment(s)   |   |                            |                            |                          |                           | \$<br>-                                  |
| 47       | Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovery   | Prior Month Cumulative Balance +<br>Line 45 + Line 46 | \$<br>-                    | \$<br>-                    | \$<br>-                  | \$<br>-                   | \$<br>-                                  |
| 48<br>49 | SC Projected Lighting kWh Sales Jul'19-Jun'20<br>SC Lighting DERP Avoided Increment / (Decrement) (¢/kWh) | WP8a<br>Line 47 / Line 48 * 100                       |                            |                            |                          |                           | 96,075,184<br><b>0.000</b>               |

Harrington Exhibit 14

Docket No. 2019-1-E

**DUKE ENERGY PROGRESS, LLC** SOUTH CAROLINA RETAIL FUEL CASE PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS

CP %

FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

Winter 2018 Firm

Coincident Peak (CP) KWs

Line No.

Class

| LIHE NO. | Class   | Conficialit Feak (CF) KWS   |    | CF /6         |               |               |               |               |               |                 |
|----------|---|-----------------------------|----|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| 1        | Residential   | 777,822                     |    | 60.91%        |               |               |               |               |               |                 |
| 2        | General Service (non-demand)                              | 81,290                      |    | 6.37%         |               |               |               |               |               |                 |
| 3        | General Service (demand)                                  | 417,943                     |    | 32.73%        |               |               |               |               |               |                 |
| 4        | Lighting  | 0                           |    | 0.00%         |               |               |               |               |               |                 |
| 5        | Total SC  | 1,277,055                   |    | 100.00%       |               |               |               |               |               |                 |
|          |   |                             |    | July          | August        | September     | October       | November      | December      |                 |
| Line No. | Description   | Reference                   |    | 2019          | 2019          | 2019          | 2019          | 2019          | 2019          |                 |
| 6        | Purchased Power Agreements                                | DERP Model Output           | \$ | 39,640 \$     | 39,640 \$     | 39,640 \$     | 39,640 \$     | 39,640 \$     | 39,640        |                 |
| 7        | Shared Solar Program                                      | DERP Model Output           | Ų  | 9,910         | 9,910         | 9,910         | 9,910         | 9,910         | 9,910         |                 |
| 8        | Total DERP Avoided Costs                                  | Line 6 + Line 7             | \$ | 49,550 \$     | 49,550 \$     | 49,550 \$     | 49,550 \$     | 49,550 \$     | 49,550        |                 |
| 9        | Projected Total System Sales                              | WP8                         |    | 5,953,609,386 | 6,010,985,735 | 5,482,284,590 | 4,671,693,496 | 4,595,842,719 | 5,172,638,730 |                 |
|          | •   |                             |    |               |               |               |               |               |               |                 |
| 10       | DERP Avoided System Costs (¢/Kwh)                         | Line 8 / Line 9 *100<br>WP8 |    | 0.001         | 0.001         | 0.001         | 0.001         | 0.001         | 0.001         |                 |
| 11<br>12 | Projected SC Retail Sales SC DERP Avoided Costs           |                             | \$ | 615,370,381   | 630,455,795   | 602,829,492   | 524,692,648   | 500,969,344   | 552,701,752   |                 |
| 12       | SC DERP Avoided Costs                                     | Line 10 * Line 11 /100      | \$ | 5,121 \$      | 5,197 \$      | 5,448 \$      | 5,565 \$      | 5,401 \$      | 5,294         |                 |
|          |   |                             |    |               |               |               |               |               | _             | Billing Period  |
|          |   |                             |    | January       | February      | March         | April         | May           | June          | Twelve Months   |
| Line No. | Description   | Reference                   |    | 2020          | 2020          | 2020          | 2020          | 2020          | 2020          | Ended June 2020 |
| 13       | Purchased Power Agreements                                | DERP Model Output           | \$ | 110,458 \$    | 110,458 \$    | 110,458 \$    | 110,458 \$    | 113,458 \$    | 110,458       | \$ 903,585      |
| 14       | Shared Solar Program                                      | DERP Model Output           |    | 9,860         | 9,860         | 9,860         | 9,860         | 9,860         | 9,860         | 118,622         |
| 15       | Total DERP Avoided Costs                                  | Line 13 + Line 14           | \$ | 120,318 \$    | 120,318 \$    | 120,318 \$    | 120,318 \$    | 123,318 \$    | 120,318       | \$ 1,022,207    |
| 16       | Projected Total System Sales                              | WP8                         |    | 5,679,535,820 | 5,466,072,140 | 5,022,976,178 | 4,423,919,449 | 4,396,701,438 | 5,136,235,584 | 62,012,495,267  |
| 17       | DERP Avoided System Costs (¢/Kwh)                         | Line 15 / Line 16 *100      |    | 0.002         | 0.002         | 0.002         | 0.003         | 0.003         | 0.002         | 0.002           |
| 18       | Projected SC Retail Sales                                 | WP8                         |    | 605,095,272   | 594,590,939   | 555,942,153   | 512,389,178   | 493,993,336   | 541,309,853   | 6,730,340,143   |
| 19       | SC DERP Avoided Costs                                     | Line 17 * Line 18 /100      | \$ | 12,819 \$     | 13,088 \$     | 13,317 \$     | 13,936 \$     | 13,855 \$     | 12,680        |                 |
|          | SC DERP Avoided Costs Allocated on Firm CP kWs            |                             |    |               |               |               |               |               |               |                 |
| 20       | Residential   | Total Line 19 * Line 1      |    |               |               |               |               |               |               | \$ 68,047       |
| 21       | General Service (non-demand)                              | Total Line 19 * Line 2      |    |               |               |               |               |               |               | 7,112           |
| 22       | General Service (demand)                                  | Total Line 19 * Line 3      |    |               |               |               |               |               |               | 36,563          |
| 23       | Lighting  | Total Line 19 * Line 4      |    |               |               |               |               |               |               | · -             |
| 24       | Total SC  | Sum Lines 20 through 23     |    |               |               |               |               |               | _             | \$ 111,722      |
|          | Projected SC Retail Sales kWh for the 12 month period     |                             |    |               |               |               |               |               |               |                 |
| 25       | Residential   | WP8a                        |    |               |               |               |               |               |               | 2,301,521,005   |
| 26       | General Service (non-demand)                              | WP8a                        |    |               |               |               |               |               |               | 299,773,076     |
| 27       | General Service (demand)                                  | WP8a                        |    |               |               |               |               |               |               | 4,032,970,877   |
| 28       | Lighting  | WP8a                        |    |               |               |               |               |               |               | 96,075,184      |
| 29       | Total SC  | Sum Lines 25 through 28     |    |               |               |               |               |               | _             | 6,730,340,143   |
|          | SC DERP Avoided Costs ¢/kWh                               |                             |    |               |               |               |               |               |               |                 |
| 30       | Residential   | Line 20 / Line 25 * 100     |    |               |               |               |               |               |               | 0.003           |
| 31       | General Service (non-demand)                              | Line 21 / Line 26 * 100     |    |               |               |               |               |               |               | 0.002           |
| 32       | Lighting  | Line 23 / Line 28 * 100     |    |               |               |               |               |               |               | 0.000           |
| 33       | Projected SC KW Sales (General Service demand)            | WP8a                        |    |               |               |               |               |               |               | 9,063,849       |
| 34       | General Service (Demand) charge for SC DERP Avoided Costs | Line 22 / Line 33 * 100     |    |               |               |               |               |               |               | 0.000           |
|          | , ,   |                             |    |               |               |               |               |               |               |                 |